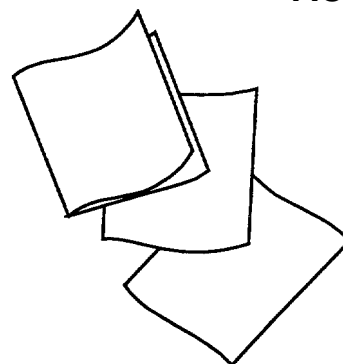
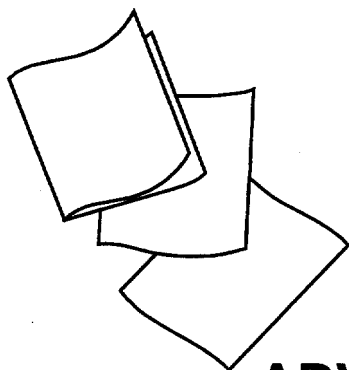




U.S. Department  
of Transportation  
Federal Aviation  
Administration

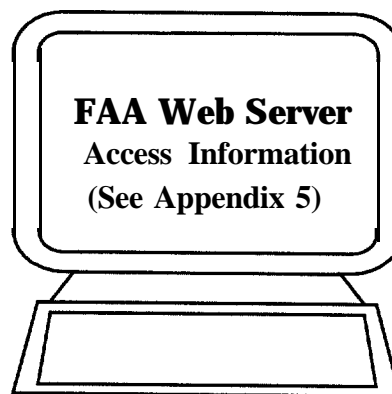
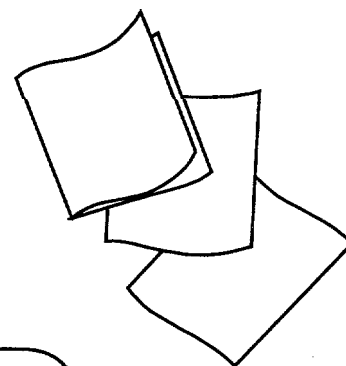
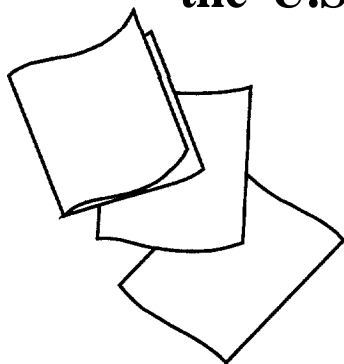
# Advisory Circular

AC 00-2.13



## **ADVISORY CIRCULAR CHECKLIST** and status of other FAA Publications for sale by the U.S. Government Printing Office (GPO)

June 2000



4. 10. 19

5. 10. 19

6. 10. 19

<b>150/5210</b>	Airport Safety Operations (Recommended Training, Standards, Manning).
15015220	Airport Safety Equipment and Facilities.
<b>150/5230</b>	Airport Ground Safety System.
15015240	Civil Airports Emergency Preparedness.
<b>150/5325</b>	Influence of Aircraft Performance on Aircraft Design.
<b>150/5335</b>	Runway, Taxiway, and Apron Characteristics.
<b>150/5340</b>	Airport Visual Aids.
<b>150/5345</b>	Airport Lighting Equipment.
<b>150/5360</b>	Airport Buildings.
<b>150/5370</b>	Airport Construction.
<b>150/5380</b>	Airport Maintenance.
15015390	Heliports.

---

4. Individual circular identification numbers. Each circular has a subject number followed either by a dash and a consecutive number (135-1 5) or a period with a specific FAR section number, followed by a dash and a consecutive number (135.169-2) identifying the individual circular. This consecutive number is not used again in the same subject series. Revised circulars have a letter A, B, C, etc., after the consecutive number to show complete revisions. Changes to circulars have Chg. 1, Chg. 2, Chg. 3, etc., after the identification number on pages that have been changed. The date on a revised page is changed to the date of the Change transmittal.



**APPENDIX 2****CANCELLATIONS**

Cancellations are listed below. The suffix following an AC number indicates a revision to that AC and cancels the previous edition. For example, AC 00-6A replaces and cancels AC 00-6; AC 00-7D replaces and cancels AC 00-7C. ACs may also be canceled without replacement by the issuing **office** or by other ACs or publications.

**20-5G** Plane Sense (1998; AFS-630) by FAA-H-8083-19 Plane Sense-General Aviation Information (8/23/99; AFS-630)

21-39 Aircraft Certification Systems Evaluation Program (8/3 1/94; AIR-230) by **AIR-230, 6/7/00**

The following 5 ACs are canceled by AC **23- 16**, Power-plant Guide for Certification of Part 23 Airplanes (9/21/99; ACE-111)

23.909-I Installation of Turbochargers in Small Airplanes with Reciprocating Engines, **2/3/86**

23.955-I Substantiating Flow Rates and Pressures in Fuel Systems of Small Airplanes, **6/10/85**

23.959-I Unusable Fuel Test Procedures for Small Airplanes, **1/14/85**

23.961-I Procedures for Conducting Fuel System Hot Weather Operation Tests, **1/14/87**

23.1011-I Procedures for Determining Acceptable Fuel/Oil Ratio as Required by FAR 23.101 l(b). **11/14/83**

The following 10 ACs are canceled by AC **23- 17**, Systems and Equipment Guide for Certification of Part 23 Airplanes (4/25/00; ACE-1 11)

23.679-I Control System Locks, **7/25/85**

23.683-I Control System Operations Test, **9/25/84**

23.701-I Flap Interconnection in Part 23 Airplanes, **1 1/13/92**

23.729-I Landing Gear Doors and Retraction Mechanism, **3/26/84**

23.733-I Tundra Tires, **10/10/96**

23.807-2 Doors Between Pilot's Compartment and Passenger Cabin in Small Airplanes, **9/22/83**

23.807-3 Emergency Exits Openable From Outside for Small Airplanes, **12/30/86**

23.841-1 Cabin Pressurization Systems in Small Airplanes, **12/30/86**

23.1305-1 Installation of Fuel Flowmeters in Small Airplanes with Continuous-Flow, Fuel-Injection, Reciprocating Engines, **12/21/84**

23.1329-2 Automatic Pilot System Installation in Part 23 Airplanes, **3/4/91**

25-14 High Lift and Drag Devices (5/4/88; ANM-112) by 25-22 Certification of Transport Category Airplane Mechanical Systems (3/14/00, ANM-112)

60-14 Aviation Instructor's Handbook (7/7/76; AFS-630) by FAA-H-8083-9 Aviation Instructor's Handbook (1 1/99; AFS-630)

60-23 Conversion to the Computer Based Airmen Knowledge Testing Program (6/17/94; AFS-630) by AFS- 1, 2/8/00

**60-25C** Reference Materials and Subject Matter Knowledge Codes for Airman Knowledge Testing (8/23/99; AFS-630) by **60-25D**, Reference Materials and Subject Matter Knowledge Codes for for Airman Knowledge Testing (6/9/00; AFS-630)

60-26A Announcement of Availability: Flight Standards Service Airman Testing and Training Information (2/26/97; AFS-630) by **60-26B**, Announcement of Availability: Flight Standards Service Training and Testing Information (6/8/00; AFS-630)

60-27 Announcement of Availability: Changes to Practical Test Standards (1 1/18/96; AFS-630) by **60-26B**, Announcement of Availability: Flight Standards Service Airman Training and Testing Information (6/8/00; AFS-630)

**61-12M** Student Pilot Guide (7/27/94; AFS-630) by FAA-H-8083-27 Student Pilot Guide (6/15/99; AFS-630)

**61-13B** Basic Helicopter Handbook (1978; AFS-630) by FAA-H-8083-21 Rotorcraft Flying Handbook (2/10/00; AFS-630)

**61-21A** Flight Training Handbook (1980; AFS-630) by FAA-H-8083-3 Airplane Flying Handbook (8/23/99; AFS-630)

**61-47A** Use of Approach Slope Indicators for Pilot Training (3/26/79; AFS-840) by AFS-1, 1 1/1 7/98

61-101 Presolo Written Test (4/21/89; AFS-630) by FAA-H-8083-9 Aviation Instructor's Handbook (1 1/99; AFS-630)

61-103 Announcement of Availability: Industry-Developed Transition Training Guidelines for High Performance Aircraft (5/23/89; AFS-840) by **AFS-1, 9/24/99**

**61-112** Flight and Ground Instructor Knowledge Test Guide (12/1/94; AFS-630) by FAA-G-8082-7 Flight and Ground Instructor Knowledge Test Guide (6/1/99; AFS-630)

**61-113** Airline Transport Pilot, Aircraft Dispatcher, and Flight Navigator Knowledge Test Guide (2/9/94; AFS-630) by FAA-G-8082-1 Airline Transport Pilot, Aircraft Dispatcher, and Flight Navigator Knowledge Test Guide (6/1/99; AFS-630)

61-114 Commercial Pilot Knowledge Test Guide (2/9/95; AFS-630) by FAA-G-8082-5 Commercial Pilot Knowledge Test Guide (6/1/99; AFS-630)

**61-115** Positive Exchange of Flight Controls (3/10/95; AFS-630) by FAA-H-8083-9 Aviation Instructor's Handbook (1 1/99; AFS-630)

**61-1 16A** Announcement of Cancellation: FAA-S-8081-1 1, Flight Instructor-Lighter-Than-Air (Balloon/Airship) Practical Test Standards (1/27/97; AFS-630) by **AFS-1, 2/8/00**

**61-117** Recreational Pilot and Private Pilot Knowledge Test Guide (5/3/95; AFS-630) by FAA-G-8082-17 Recreational Pilot and Private Pilot Knowledge Test Guide (6/1/99; AFS-630)

**61-119** Instrument Rating Knowledge Test Guide (5/3/95; AFS-630) by FAA-G- 8082-13 Instrument Rating Knowledge Test Guide (6/1/99; AFS-630)

63-1 Flight Engineer Knowledge Test Guide (6/8/95) by FAA-G-8082-9 Flight Engineer Knowledge Test Guide (6/1/99; AFS-630)

**65-19G** Inspection Authorization Knowledge Test Guide (8/14/96; AFS-630) by FAA-G-8082-1 1 Inspection Authorization Knowledge Test Guide (7/13/99; AFS-630)

65-27 Parachute Rigger Knowledge Test Guide (6/16/95; AFS-630) by FAA-G-8082-15 Parachute Rigger Knowledge Test Guide (7/28/99; AFS-630)

65-28 Aviation Mechanic General, Powerplant, and Airframe Knowledge Test Guide (8/3/95; AFS-630) by FAA-G-8082-3 Aviation Mechanic General, Airframe, and Power-plant Knowledge Test Guide (8/23/99; AFS-630)

65-29 Conversion of the Inspection Authorization Knowledge Tests to the Computer Based Airmen Knowledge Testing Program (1 0/29/96; AFS-630) by AFS- 1, 2/8/00

67-1 Medical Information for Air Ambulance Operators (3/4/74; AAM-620) by **AAM-1, 9/3/99**

**91-23A** Pilot's Weight and Balance Handbook (6/9/77; AFS-630) by FAA-H-8083-1 Aircraft Weight and Balance Handbook (8/23/99; AFS-630)

**150/5000-3T** Address List for Regional Airports Divisions and Airports District/Field Offices (9/12/97; ARP- 10) by ARP- 10 10,22/99 (Internet access)

**150/5000-4B** Announcement of Availability: Airport Research and Technical Reports (2/1 1/85; AAS- 100) by AAS- 100, 7/15/99

#### Additions

Additions to this checklist appear in Appendix 3. The airplane symbol preceding an AC number identifies new or revised **ACs** issued since the last edition of this checklist. Revised **ACs** are identified by a letter of the alphabet following the AC number.

## APPENDIX 3

## NUMERICAL LIST OF ADVISORY CIRCULARS

## Important Notice

This Advisory Circular Checklist, AC 00-2, is no longer sent automatically to addresses on free advisory circular mailing lists. Persons not now receiving AC 00-2 but who wish to receive it must specifically request to be placed on the AC 00-2 mailing list (see par. 5 for ordering information). Up to ten copies may be sent to any one address. Persons receiving this edition of AC 00-2 need not request AC 00-2 mailing list service as they have already been transferred to the new list.

## General

## Subject No. 00

## 00-1.1

**Government Aircraft Operations  
(4/19/95) (AFS-220)**

Provides guidance on whether particular government aircraft operations are public aircraft or civil aircraft operations under the new statutory definition of "public aircraft." This AC contains FAA's intended application of key terms in the new statutory definition. For operations that have lost public aircraft status under the new law, information is provided on bringing those operations into compliance with FAA safety regulations for civil aircraft and provides information on applying for an exemption.

## → 00-2.13

**Advisory Circular Checklist  
(6/15/00) (APF-100)**

Transmits the revised checklist of current FAA advisory circulars as of June 15, 2000.

## 00-6A

**Aviation Weather  
(3/3/75) (AFS-400)**

Provides an up-to-date and expanded text for pilots and other flight operations personnel whose interest in meteorology is primarily in its application to flying.  
SN 050-007-00283-1.  
\$8.50 Supt. Docs.

## → 00-7D

**State and Regional Disaster Airlift  
(SARDA) Planning  
(9/15/98) (ADA-20)**

Provides officials with guidance to access and utilize a broad range of aviation resources within the state, when needed to support civil emergency operations.

## 00-24B

**Thunderstorms  
(1/20/83) (AFS-400)**

Describes the hazards of thunderstorms to aviation and offers guidance to help prevent accidents caused by thunderstorms.

## 00-25

**Forming and Operating a Flying Club  
(3/24/69) (AFS-800)**

Provides preliminary information that will assist anyone or any group of people interested in forming and operating a flying club.

## 00-30B

**Atmospheric Turbulence Avoidance  
9/9/97 (AFS400)**

Describes to pilots, aircrew members, dispatchers, and other operations personnel the various types of clear air turbulence (CAT) and some of the weather patterns associated with it. Also included are "Rules of Thumb" for avoiding or minimizing CAT encounters.

## 00-31A

**United States (US). National Aviation  
Standard for the VOR/DME/TAC  
Systems  
(9/20/82) (ANN-130)**

Inform the aviation community of the establishment and content of the United States (US). National Aviation Standard for the Very High Frequency Omnidirectional Radio Range (VOR)/Distance Measuring Equipment(DME)/Tactical Air Navigation (TACAN) Systems.

## 00-33B

**Nickel-Cadmium Battery Operational,  
Maintenance, and Overhaul Practices  
(7/9/97) (AFS400)**

Provides guidelines for more reliable nickel-cadmium battery operation through proper operational and maintenance practices, and has been reissued to include reconditioning information.

## 00-34A

**Aircraft Ground Handling and Servicing  
(7/29/74) (AFS340)**

Contains information and guidance for the servicing and ground handling of aircraft.

## 00-41B

**FAA Quality Control System  
Certification Program  
(10/10/89) (ASU-430)**

Describes the Federal Aviation Administration (FAA) Quality Control System Certification Program and the mechanics of implementation. It is intended for guidance and information only.

## 00-44II

**Status of the Federal Aviation  
Regulations  
(4/97) (AGC-200)**

This circular sets forth the current publication status of Federal Aviation Regulations (FARs), any Changes issued to date, and provides a price list, and ordering instructions,

## 00-45D

**Aviation Weather Services  
(2/7/95) (AFS-400)**

Supplements AC 00-6A, Aviation Weather, in that it explains the weather service in general and the use and interpretation of reports, forecasts, weather maps, and prognostic charts in detail.

SN 050-007-01082-6  
\$12.00 Supt. Docs.

**00-46D**

**Aviation Safety Reporting Program  
(2/26/97) (ASY300)**

Describes the Federal Aviation Administration's Aviation Safety Reporting program which utilizes the National Aeronautics and Space Administration (NASA) as a third party to receive and analyze Aviation Safety Reports. This cooperative safety reporting program invites users of the National Aviation System to report to NASA actual or potential discrepancies and deficiencies involving the safety of aviation operations.

**00-54**

**Pilot Windshear Guide  
(1 1/25/88) (AFS-200)**

Communicates key windshear information relevant to flightcrews. Appendix I of this advisory circular is the Pilot Windshear Guide, which is only one section of the two-volume Windshear Training Aid.

**00-55**

**Announcement of availability: FAA  
Order 8130.21A, Procedures for  
Completion and Use of FAA Form 8130,  
Airworthiness Approval Tag  
(1/19/94) (AIR-200)**

Announces availability of subject order.

**00-56**

**Voluntary Industry Distributor  
Accreditation Program  
(9/5/96) (AFS-350)**

Describes a system for the voluntary accreditation of civil aircraft parts distributors on the basis of voluntary industry oversight and provides information that may be used for developing accreditation programs. The FAA believes such programs will assist in alleviating lack of documentation and will improve traceability.

**00-57**

**Hazardous Mountain Winds and Their  
Visual Indicators (9/10/97) (AND-720)**

Assists pilots involved in aviation operations to diagnose the potential for severe wind events in the vicinity of mountainous areas. It provides information on preflight planning techniques and on in-flight evaluation strategies for avoiding destructive turbulence and loss of aircraft control. Pilots, dispatchers, air traffic

controllers, and other who must deal with weather phenomena and the routing of aircraft will benefit from the information contained in this advisory circular.

**00-58**

**Voluntary Disclosure Reporting  
Program (5/4/98) (AFS-350)**

Replaces AC 120-56. Provides information and guidance that may be used by certificate holders, production approval holders, indirect air carriers, and foreign air carriers disclosing apparent violations to the FAA of regulations in 14 CFR parts 21, 107, 108, 109, 121, 125, 129 (security program violations only), 133, 135, 137, 141, 142, 145, & 147 under the self-disclosure program. The procedures outlined in this AC can be applied to all of the above. The procedures and practices outlined in this AC cannot be applied to those who are required to report failures, malfunctions and defects under 14 CFR part 2 1.3 and do not make those reports in the timeframe required by the regulation.

**→ 00-59**

**Integrating Helicopter and Tiltrotor  
Assets Into Disaster Relief Planning  
(11/98) (AND-710)**

Provides guidance to state and local emergency relief planners on integrating helicopters and tiltrotor aircraft into disaster relief planning efforts.

**→ 00-60**

**North American Free Trade Agreement  
and Specialty AIR Services Operations  
(1 1/9/99) AFS-805)**

Provides information for aircraft operators from the United States who plan to conduct specialty air services (SAS) operations in Canada or Mexico in accordance with the North American Free Trade Agreement. It also provides information for aircraft operators from Canada or Mexico who plan to conduct SAS operations in the U.S.  
SN 050-007-01281-1  
\$2.50 Supt. Docs.

**Procedural**

**Subject No. 10**

**11-2A**

**Notice of Proposed Rulemaking  
Distribution System**

**(7/26/84) (ABC-100)**

Provides the public with information relative to participation in the FAA rulemaking process and explains the availability of the Notices.

**13-1**

**Aviation Safety Inspector Work Site  
Access**

**(12/28/95) (AFS-120/AFS-300)**

Explains the requirement and use of FAA Form 8000-39, Aviation Safety Inspector Identification Card, and its relation to the Aviation Safety Credential, FAA Form 11 OA. This AC is issued primarily to acquaint airport authorities and the airport security personnel with the FAA Form 8000-39 and the aviation safety inspector's need to be in restricted areas of the airport to perform official FAA business.

**Aircraft**

**Subject No. 20**

**20-18A**

**Qualification Testing of Turbo-jet  
Engine Thrust Reversers  
(3/16/66) (ANE- 100)**

Discusses the requirements for the qualification of thrust reversers and sets forth an acceptable means of compliance with the tests prescribed in Federal Aviation Regulations, Part 33, then run under nonstandard ambient air conditions.

**20-24B**

**Qualification of Fuels, Lubricants, and  
Additives  
(12/20/85) (ANE-110)**

Provides acceptable procedures for approving the qualification of fuels, lubricants, and additives for use in certificated aircraft engines.

**20-27D**

**Certification and Operation of Amateur-  
Built Aircraft  
(6/22/90) (AIR-230)**

Provides guidance and information relative to the airworthiness certification and operation of amateur-built aircraft.

**20-29B**

**Use of Aircraft Fuel Anti-icing Additives  
(1/18/72) (ANE-100)**

Provides information on the use of anti-icing additives PFA-55MB and Mil-I-27686 as an acceptable means of



compliance with the FARs that require assurance of continuous fuel flow under conditions where ice may occur in turbine aircraft fuel systems.

**20-30B****Aircraft Position Light and Anticollision Light Installation****(7/20/81) (AIR- 120)**

Sets forth acceptable means, but not the only means, of showing compliance with the Federal Aviation Regulations (FAR) applicable to installed position lights and anticollision lights.

**20-32B****Carbon Monoxide (CO) Contamination in Aircraft--Detection and Prevention (1 1/24/72) (ACE-1 10)**

Provides information on the potential dangers of carbon monoxide contamination from faulty engine exhaust systems or cabin heaters of the exhaust gas heat exchanger type.

**20-33B****Technical Information Regarding Civil Aeronautics Manuals 1, 3, 4a,4b, 5, 6, 7, 8, 9, 13 and 14****(5/1/75) (AIR-100)**

Advises the public that policy information contained in the subject Civil Aeronautics Manuals may be used in conjunction with specific sections of the Federal Aviation Regulations.

**20-34D****Prevention of Retractable Landing Gear Failures****(8/8/80) (AFS340)**

Updates statistical information related to landing accidents involving aircraft with retractable landing gear and suggests procedures to minimize those accidents.

**20-35C****Tie-Down Sense****(7/12/83) (AFS-340)**

Provides updated information of general use on aircraft tiedown techniques and procedures.

**20-36S****Index of Articles (Materials, Parts, Processes and Appliances) Certified Under the Technical Standard Order System (AFS-610)**

AC canceled 11/99. Available in Access database as TSOA listing at <http://av-info.faa.gov>

**20-37D****Aircraft Metal Propeller Maintenance (8/15/89) (AFS340)**

Provides information and suggested procedures to increase service life and to minimize blade failures of metal propellers.

**20-38A****Measurement of Cabin Interior Emergency Illumination in Transport Airplanes****(2/8/66) (ANM- 100)**

Outlines acceptable methods, but not the only methods, for measuring cabin interior emergency illumination on transport airplanes, and provides information as to suitable measuring instruments.

**20-40****Placards for Battery-Excited Alternators Installed in Light Aircraft****(8/1 1/65) (ACE-100)**

Sets forth an acceptable means of complying with placarding rules in Federal Aviation Regulations 23 and 27 with respect to battery excited alternator installations.

**20-41A****Substitute Technical Standard Order (TSO) Aircraft Equipment (4/5/77) (AIR- 120)**

Sets forth an acceptable means for complying with rules governing aircraft equipment installations in cases involving the substitution of technical standard order equipment for functionally similar TSO approved equipment.

**20-42C****Hand Fire Extinguishers for use in Aircraft****(3/7/84) (ACE-1 10)**

Provides methods acceptable to the Administrator for showing compliance with the hand fire extinguisher provisions in Parts 25, 29, 91, 121, 125, 127, and 135 of the FAR and provides updated general information.

**20-43C****Aircraft Fuel Control (10/20/76) (AFS-340)**

Alerts the aviation community to the potential hazards of inadvertent mixing or contamination of turbine and piston fuels, and provides recommended fuel control and servicing procedures.

**20-44****Glass Fiber Fabric for Aircraft Covering (9/3/65) (ACE-100)**

Provides a means, but not the sole means, for acceptance of glass fiber fabric for external covering of aircraft structure.

**20-45****Safetying of Turnbuckles on Civil Aircraft****(9/17/65) (ACE-100)**

Provides information on turnbuckle safetying methods that have been found acceptable by the FAA during past aircraft type certification programs.

**20-47****Exterior Colored Band Around Exits on Transport Airplanes****(2/8/66) (ANM-100)**

Sets forth an acceptable means, but not the only means, of complying with the requirement for a 2-inch colored band outlining exits required to be openable from the outside on transport airplanes.

**20-48****Practice Guide for Decontaminating Aircraft****(5/5/66) (AFS-330)**

The title is self-explanatory.

**20-52****Maintenance Inspection Notes for Douglas DC-6/7 Series Aircraft (Consolidated Reprint. Includes Change 1).****(8/24/67) (AFS310)**

Describes maintenance inspection notes which can be used for the maintenance support of certain structural parts of DC-6/7 series aircraft.

**20-53A****Protection of Aircraft Fuel Systems Against Fuel Vapor Ignition Due to Lightning****(4/12/85) (ACE-1 11)**

Provides information and guidance concerning an acceptable means, but not the only means, of compliance with Parts 23 or 25 of the Federal Aviation Regulations (FAR) applicable to preventing ignition of fuel vapors due to lightning.

**20-56A****Marking of TSO-C72b Individual Flotation Devices****(4/1/75) (AIR-120)**

Outlines acceptable methods for marking individual flotation devices which also serve as seat cushions.

## **20-57A**

### **Automatic Landing Systems (ALS)**

**(1/12/71) (ANM-110)**

Sets forth an acceptable means of compliance, but not the only means, for the installation approval of automatic landing systems in transport category aircraft which may be used initially in Category II operations. Approval of these aircraft for use under such conditions will permit the accumulation of data for systems which may be approved for Category IIIa in the future.

20-59

### **Maintenance Inspection Notes for Convair 240, 340/440, 240T, and 340T Series Aircraft**

**(2/19/69) (AFS-330)**

Describes maintenance inspection notes which can be used for the maintenance support of certain structural parts of Convair 240, 340/440, 240T, and 340T series aircraft.

20-59, Chg. 1

**(8/24/72)**

Provides additional material for Convair Models 240 and 600/240D; Models 340/440 and 640/340D/440D series aircraft maintenance inspection programs.

## **20-60**

### **Accessibility to Excess Emergency Exits (7/18/68) (ANM-110A)**

Sets forth acceptable means of compliance with the "readily accessible" revisions in the Federal Aviation Regulations dealing with excess emergency exits.

## **20-62D**

### **Eligibility, Quality, and Identification of Aeronautical Replacement Parts**

**(5/24/96) (AFS-340)**

Provides information and guidance for use in determining the quality, eligibility and traceability of aeronautical parts and materials intended for installation on U.S. type-certificated products and to enable compliance with the applicable regulations.

20-64

### **Maintenance Inspection Notes for**

#### **Lockheed L-188 Series Aircraft**

**(8/1/69) (AIR- 3)**

Describes maintenance inspection notes which can be used for the maintenance support of certain structural parts of Lockheed E-1 88 series aircraft.

20-64, Chg. 1

**(10/26/73)**

20-65

### **U.S. Airworthiness Certificates and Authorizations for Operation of Domestic and Foreign Aircraft (8/1 1/69) (AIR-200)**

Provides general information and guidance concerning issuance of airworthiness certificates for U.S. registered aircraft, and issuance of special flight authorizations for operation in the United States of foreign aircraft not having standard airworthiness certificates issued by the country of registry.

20-66

### **Vibration Evaluation of Aircraft Propellers**

**(1/29/70) (ANE-100)**

Outlines acceptable means, but not the sole means, for showing compliance with the requirements of the FARs concerning propeller vibration.

## **20-67B**

### **Airborne VHF Communications Equipment Installations**

**(1/16/86) (AIR-120)**

Sets forth one means, but not the only means, of demonstrating compliance with the airworthiness rules governing the functioning of airborne VHF communications equipment.

## **20-68B**

### **Recommended Radiation Safety Precautions for Ground Operation of Airborne Weather Radar**

**(8/8/80) (AFS-600)**

Sets forth recommended radiation safety precautions for ground operation of airborne weather radar.

20-69

### **Conspicuity of Aircraft Instrument Malfunction Indicators**

**(5/14/70) (AIR-120)**

Provides design guidance information on methods of improving conspicuity of malfunction indication devices.

20-71

### **Dual Locking Devices on Fasteners**

**(12/8/70) (AIR-120)**

Provides guidance and acceptable means, not the sole means, by which compliance may be shown with the requirements for dual locking devices on removable fasteners installed in rotorcraft and transport category airplanes.

20-73

### **Aircraft Ice Protection**

**(4121171) (AIR-120)**

Provides information relating to the substantiation of ice protection systems on aircraft.

20-74

### **Aircraft Position and Anticollision Light Measurements**

**(7/29/71) (AIR-120)**

Contains useful information concerning measurements for intensity, covering, and color of aircraft position and anti-collision lights.

20-76

### **Maintenance Inspection Notes for Boeing B-707/720 Series Aircraft**

**(10/21/71) (AFS-330)**

Provides maintenance inspection notes which can be used for the maintenance support program for certain structural parts of the B-707/720 series aircraft.

20-77

### **Use of Manufacturers' Maintenance Manuals**

**(3/22/72) (AFS-340)**

Informs owners and operators about the usefulness of manufacturers' maintenance manuals for servicing, repairing, and maintaining aircraft, engines and propellers.

20-78

### **Maintenance Inspection Notes for McDonnell Douglas DC-S Series Aircraft**

**(7/11/72) (AFS330)**

Provides maintenance inspection notes which can be used for the maintenance support program for certain structural parts of the DC-8 series aircraft.

20-82

### **Maintenance Inspection Notes for Fairchild Hiller F-27/FH-227 Series aircraft (Includes Change 1)**

**(12/5/72) (AFS-230)**

Provides maintenance inspection notes which can be used for the maintenance support program for certain structural parts

of Fairchild Hiller F-27/FH-227 series aircraft.

## 20-83

### **Maintenance Inspection Notes for Boeing B-737 Series Aircraft (Includes Changes 1 and 2)**

(1/17/73) (AFS- 330)

Provides maintenance inspection notes which can be used for the maintenance support program for certain structural parts of the B-737 series aircraft.

20-84

### **Maintenance Inspection Notes for Boeing B-727 Series Aircraft.**

(1/22/73) (AFS300)

Provides inspection notes which can be used for the maintenance support program for certain structural parts of the B-727 series aircraft.

20-84, Chg. 1

(8/8/74)

Updates material for the B-727 series aircraft maintenance inspection program. Inspection of selected areas of the wing, fuselage, empennage and landing gear of the B-727 series aircraft are presented supplementing information currently available in AC 20-84.

20-84, Chg.2

(1/31/75)

## 20-88A

### **Guidelines on the Marking of Aircraft Powerplant Instruments (Displays),**

(9/30/85) (ANM- 112)

Provides revised guidelines on the marking of aircraft powerplant instruments and electronic displays (cathode ray tubes, etc.). These guidelines offer acceptable, but not exclusive, methods of compliance with the powerplant instrument color marking requirements.

SN 050-007-00683-7.

\$1.50 Supt. Docs.

20-94

### **Digital Clock Installation in Aircraft**

(3/4/76) (AFS-350)

Provides guidelines for operating and installing digital clocks in aircraft.

20-95

### **Fatigue Evaluation of Rotorcraft Structure**

(5/18/76) (ASW-100)

Sets forth acceptable means, not the only means, of compliance with the provisions of FAR sections 27.571 and 29.571 dealing with the fatigue evaluation of rotorcraft structure.

20-96

### **Surplus Military Aircraft: A Briefing for Prospective Buyers**

(12/2/76) (AIR- 200)

Provides many answers to questions regarding the purchasing of surplus military aircraft (type certification, is the aircraft flyable, is it sold for spare parts, scrap?).

## 20-97A

### **High-Speed Tire Maintenance and Operational Practices**

(5/13/87) (AFS-340)

Provides information and guidance for maintaining aircraft tires to ensure their continued airworthiness.

20-99

### **Anti-skid and Associated Systems**

(5/27/77) (ANM-100)

Provides an acceptable means, but not the only means, of complying with the requirement that anti-skid and associated systems must be designed so that no probable malfunction will result in a hazardous loss of braking or directional control of an airplane.

## 20-100

### **General Guidelines for Measuring Fire-Extinguishing Agent Concentrations in Powerplant Compartments**

(9/21/77) (AIR-120)

Describes the installation and use of a model GA-2A fire extinguisher agent concentration recorder in determining the distribution and concentration of fire-extinguishing agents when discharged in an aircraft powerplant compartment.

## 20-101C

### **Airworthiness Approval of Omega/VLF Navigation Systems for Use in the United States NAS and Alaska**

(9/12/88) (ACE-130W/AIR-120)

Presents an acceptable means of compliance, but not the only means, for the approval of Omega and Omega/Very Low Frequency (VLF) Navigation Airborne Equipment as a means of Visual Flight Rules (VFR)/Instrument Flight Rules (IFR)/Area Navigation (RNAV) en route

navigation within the conterminous United States and Alaska.

SN 050-007-00887-2.

\$1.50 Supt. Docs.

20-103

### **Aircraft Engine Crankshaft Failure**

(3/7/78) (AFS-340)

Provides information and suggests procedures to increase crankshaft service life and to minimize failures.

## 20-104

### **Revised Powerplant Engineering Report No. 3, Standard Fire Test Apparatus and Procedure (for Flexible Hose Assemblies)**

(4/12/78) (AIR-120)

Announces the availability of the subject report.

## 20-105B

### **Reciprocating Engine Power-loss Accident Prevention and Trend**

Monitoring

(6/15/98) (AFS-340)

Updates statistical information and brings to the attention of aircraft owners, operators, manufacturers, and maintenance personnel the circumstances surrounding engine power-loss accidents with recommendations on how those accidents can be prevented.

## 20-106

### **Aircraft Inspection for the General Aviation Aircraft Owner**

(4/1/78) (AFS- 340)

Describes techniques used in aircraft inspections. Designed to familiarize owner, pilots, student mechanics, and others with inspection procedures, it does NOT qualify an individual to make airworthiness determinations.

SN 050-007-00449-4.

\$5.00 Supt. Docs.

## 20-107A

### **Composite Aircraft Structure**

(4/25/84) (AIR-103)

Sets forth an acceptable, but not the only, means of showing compliance with the provisions of FAR Parts 23, 25, 27, and 29 regarding airworthiness type certification requirements of composite aircraft structures involving fiber reinforced materials, e.g., carbon (graphite), boron, aramid (kevlar), and glass reinforced plastics. Guidance information is also presented on associated quality control and repair aspects.

## **20-109A**

### **Service Difficulty Program (General Aviation)**

**(4/8/93) (AFS-620)**

Describes the Service Difficulty Program as it applies to general aviation activities. Instructions for completion of the revised FAA Form 8010-4 (10-92), Malfunction or Defect Report, are provided.

## **→20-110K**

### **Index of Aviation Technical Standard Orders**

**(9/22/99) (AIR-120)**

Describes the public procedure the Federal Aviation Administration (FAA) will use to develop and issue Technical Standard Orders (TSOs) for aeronautical articles to be used on civil aircraft. Presents an index of the FAA TSOs which contain minimum performance standards for specific materials, parts processes, and appliances used in civil aircraft.

## **20-111**

### **Communication Caused By Unintentional Keyed Microphones**

**(10/10/80) (AFS-350)**

Alerts the aviation community to the potential hazards created by unintentional keying of microphones resulting in radio transmissions from airborne, mobile, and ground based radio transmitters and gives guidance on alleviating ensuing hazards.

## **20-112**

### **Airworthiness and Operational Approval of Airborne Systems to be Used In Lieu of Ground Proximity Warning System (GWPS)**

**(2/19/81) (AIR-120)**

Provides information and guidance regarding airworthiness and operational approval of airborne equipment/systems in accordance with FAR 135.153(b) and (c).

## **20-113**

### **Pilot Precautions and Procedures to be taken in Preventing Aircraft Reciprocating Engine Induction System & Fuel System Icing Problems**

**(10/22/81) (ACE-100)**

Provides information pertaining to aircraft engine induction system icing and the use of fuel additives to reduce the hazards of aircraft operation that may result from the

presence of water and ice in aviation gasoline and aircraft fuel systems.

## **20-114**

### **Manufacturers' Service Documents**

**(10/22/81) (AIR-100)**

Suggests acceptable methods by which product manufacturers may indicate FAA approval of recommended actions prescribed in manufacturers' service documents.

## **20-115B**

### **Radio Technical Commission for Aeronautics, Inc. Document RTCA/DO-178B**

**(1/11/93) (AIR-130)**

Calls attention to RTCA, Inc., (formerly the Radio Technical Commission for Aeronautics) Document RTCA/DO-178B, "Software Considerations in Airborne Systems and Equipment Certification," issued December 1992. It discusses how the document may be applied with FAA technical standard order (TSO), authorizations, type certification (TC), or supplemental type certification authorization (STC).

## **20-116**

### **Marking Aircraft Fuel Filler Openings With Color Coded Decals**

**(9/17/82) (ACE-100)**

Discusses the conditions under which color coded decals may be used to comply with the requirements in FAR Parts 23, 25, 27, and 29 for marking fuel filler openings.

## **20-117**

### **Hazards Following Ground Deicing and Ground Operations in Conditions Conducive to Aircraft Icing**

**(12/17/82) (AFS-200)**

Provides information on the identified hazards associated with ground deicing and ground operations in conditions conducive to aircraft icing.

## **20-117, Chg. 1**

**(4/15/83)**

Corrects an error in Figure 3-2, Appendix 3, regarding the values of "TIME TO CRYSTALLIZATION (MIN)."

## **20-118A**

### **Emergency Evacuation Demonstration**

**(3/9/87) (ACE-100)**

Sets forth acceptable means, but not the only means, of showing compliance with

the Federal Aviation Regulations (FAR) applicable to required emergency evacuation demonstrations from airplanes certified to the requirements of SFAR 23, SFAR 41, Appendix A of Part 135, or Part 23, commuter category.

## **20-119**

### **Fuel Drain Valves**

**(2/7/83) (AIR-120)**

Provides an acceptable means, but not the only means, of compliance with the requirements of the FARs for positive locking of fuel drain valves in the closed position.

## **20-120**

### **Nondirectional Beacon Frequency Congestion**

**(6/18/84) (ASM-S00)**

Recommends several actions that the user can take to alleviate problems of frequency congestion in the 190-535 kHz frequency range.

## **20-121A**

### **Airworthiness Approval of Airborne Loran-C Navigation Systems for Use in the U.S. National Airspace System (NAS)**

**(8/24/88) (AIR-120)**

Establishes an acceptable means, but not the only means, of obtaining airworthiness approval of airborne Loran-C navigation systems for use under VFR (visual flight rules) and IFR (instrument flight rules) within the conterminous United States, Alaska, and surrounding U.S. waters.

## **20-122A**

### **Anti-misfueling Devices: Their Availability and Use**

**(1/29/91) (AFS-340)**

Includes information relating to the Society of Automotive Engineers (SAE) standard dimensions for fueling ports now being incorporated during new aircraft production by all General Aviation Manufacturer's Association member companies. It also makes recommendations to the fuel suppliers and Fixed Base Operators to change their fuel dispensing nozzles to meet the dimensions referenced in the SAE standard.

## **20-123**

### **Avoiding Or Minimizing Encounters With Aircraft Equipped With Depleted Uranium Balance Weights During Accident Investigations**

**(12/20/84) (AFS-330)**

Provides information and guidance to individuals who come in contact with depleted uranium contained in aircraft control surfaces during accident investigations.

**20-124****Water Ingestion Testing for Turbine Powered Airplanes (9/30/85) (ANM-112)**

Describes a method of demonstrating compliance with the requirements of the FAR concerning the ingestion of water from the runway/taxiway surface into the airspeed system, the engine, and essential auxiliary power unit air inlet ducts of turbine engine power unit air inlet ducts of turbine engine powered airplanes.

**20-125****Water in Aviation Fuels (12/10/85) (AFS-340)**

Alerts the aviation community to the potential hazards of water in aviation fuels. Additionally, it outlines recommended procedures to prevent, detect, and eliminate water in the fuel systems of aircraft.

**→ 20-126G****Aircraft Certification Service Field Office Listing (11/30/99) (AFS-610)**

Provides the nearest points of contact for information regarding issuance of type and supplemental type certificates and changes, as well as issuances of production and/or airworthiness approvals.

**20-127****Use of Society of Automotive Engineers (SAE) Class H11 bolts (7/8/87) (ANM-110B)**

Provides guidance on the use of SAE Class H11 bolts in primary structure on all aircraft, including gliders and manned free balloons, and on aircraft engines and propellers.

**20-128A****Design Considerations for Minimizing Hazards Caused by Uncontained Turbine Engine and Auxiliary Power Unit Rotor and Fan Blade Failures (3/25/97) (ANM-114)**

Sets forth a method of compliance with the requirements of Sections 23.903(b)(1), 25.901(d) and 25.903(d)(1) of the FAR pertaining to design precautions taken to minimize the hazards to an airplane in the

event of uncontained engine or auxiliary power unit rotor (compressor and turbine) failure and engine fan blade failures. It is for guidance and to provide a method of compliance that has been found acceptable.

**20-129****Airworthiness Approval of Vertical Navigation (VNAV) Systems for use in the U.S. NAS and Alaska (9/12/88) (AIR-120)**

Establishes an acceptable means, but not the only means, of obtaining airworthiness approval of an airborne vertical navigation system for use under visual flight rules (VFR) and instrument flight rules (IFR) within the conterminous United States, Alaska and surrounding U.S. waters.

**20-130A****Airworthiness Approval of Navigation or Flight Management Systems Integrating Multiple Navigation Sensors (6/14/95) (AIR-130)**

Establishes an acceptable means, but not the only means, of obtaining airworthiness approval of a multi-sensor navigation or flight management systems integrating data from multiple navigation sensors for use as a navigation system for oceanic and remote, domestic enroute, terminal, and non-precision instrument approach (except localizer, localizer directional aid (LDA) and simplified directional facility operations. This document does not address systems incorporating differential GPS capability.

**20-131A****Airworthiness and Operational Approval of Traffic Alert and Collision Avoidance Systems (TCAS II) and Mode S Transponders (3/29/93) (ANM-111)**

Provides guidance material for the airworthiness and operational approval of Traffic Alert and Collision Avoidance Systems (TCAS II) and Mode S transponders. Like all AC material, this AC is not mandatory and does not constitute a regulation. Issued for guidance purpose and to outline a method of compliance with the rules.

**20-132****Public Aircraft (12/21/88) (AIR-200)**

Provides guidance that public aircraft status does not exist outside the territorial limits of the United States.

**20-133****Cockpit Noise and Speech Interference Between Crewmembers (3/22/89) (AIR-121)**

Provides information about the relationship between flight crew members cockpit voice communication and cockpit noise levels. Guidance, on speech interference levels, noise measurement and measurement systems, and methods to improve cockpit communication, is provided for those manufacturers, owners or operators who believe cockpit noise may be a problem on their aircraft. This guidance material is relevant to the operation of all types of civil aircraft.

**20-134****Test Procedures for Maximum Allowable Airspeed Indicators (2/16/90) (AIR-120)**

Provides guidance concerning test procedures which may be used in showing compliance with the standards in technical standards orders C 46a.

**20-135****Powerplant Installation and Propulsion System Component Fire Protection Test Methods, Standards and Criteria (2/15/90) (ANM-112)**

Provides guidance for use in demonstrating compliance with the powerplant fire protection requirements of the Federal Aviation Regulations (FAR). Included in this document are methods for fire testing of materials and components used in the propulsion engines and APU installations, and in areas adjacent to designated fire zones, as well as the rationale for these methods.

**20-136****Protection of Aircraft Electrical/Electronic Systems Against the Indirect Effects of Lightning (3/5/90) (ANM-111)**

Provides information and guidance concerning an acceptable means, but not the only means, of compliance with Parts 23, 25, 27, and 29 of the FAR as applicable for preventing hazardous effects, due to lightning, from occurring to electrical/electronic systems performing critical essential functions. This material is neither mandatory nor regulatory in nature and does not constitute a regulation. The applicant may elect to establish an

alternative method of compliance that is acceptable to the FAA.

**20-137**

**Dynamic Evaluation of Seat Restraint Systems & Occupant Restraint for Rotocraft (Normal and Transport) (3/30/92) (ASW-111)**

Provides guidance regarding acceptable means but not the only means of compliance with Parts 27 and 29 of the Federal Aviation Regulations (FAR) applicable to dynamic testing of seats intended for use in Normal and Transport Category.

**20-138**

**Airworthiness Approval of Global Positioning System (GPS) Navigation Equipment for Use as a VFR and IFR Supplemental Navigation System (5/25/94) (AIR-130)**

Establishes an acceptable means, but not the only means, of obtaining airworthiness approval of Global Positioning System (GPS) equipment for use as a supplemental navigation system for oceanic and remote domestic en route, terminal, and non-precision instrument approach (except localizer directional aid (LDA) and simplified directional facility (SDF) operations.

**20-139**

**Commercial Assistance During Construction of Amateur-Built Aircraft (4/3/96) (AIR-230)**

Explains Federal Aviation Regulations and Federal Aviation Administration policy for the fabrication and assembly of amateur-built aircraft. Provides information and guidance in the construction of amateur-built aircraft, the manufacture of kits designed to be assembled into aircraft by amateur-builders, and aircraft fabricated from plans for certification as amateur-built.

**→20-140**

**Guidelines for Design Approval of Aircraft Data Communications Systems (8/16/99) (AIR-130)**

Provides guidelines for design approval of aircraft data communications systems and applications primarily used for air traffic services.

**→20-141**

**Airworthiness and Operational Approval of Digital Flight Data Recorder Systems (10/5/99) (AIR-130)**

Provides guidance on design, installation, and continued airworthiness of Digital Flight Data Recorder Systems. It outlines one method of compliance with Title 14 of the Code of Federal Regulations. This AC is not mandatory nor is it a regulation.

**→20-142**

**Eligibility and Evaluation of U.S. Military Surplus Flight Safety Aircraft Parts, Engines, and Propellers (2/25/00) (AFS-307)**

Provides information and guidance for use in evaluating and determining the eligibility of U.S. military surplus flight safety critical aircraft parts (FSCAP), engines, and propellers for installation on FAA type-certificated products.

**21-1B**

**Production Certificates (5/10/76) (AIR-200)**

Provides information concerning Subpart G of Federal Aviation Regulations (FAR) Part 21, and sets forth acceptable means of compliance with its requirements.

**21-2H**

**Export Airworthiness Approval Procedures (9/6/95) (AIR-210/AFS-610)**

Contains guidance and information on procedures for exporting aeronautical products and related special requirements submitted to the Federal Aviation Administration by other governments.

**21-4B**

**Special Flight Permits for Operation of Overweight Aircraft (7/30/69) (AIR-200)**

Furnishes guidance concerning special flight permits necessary to operate an aircraft in excess of its usual maximum certificated takeoff weight.

**21-5N**

**Announcement of Availability of Summary of Supplemental Type Certificates, (Paper) January 1998 (AFS-610)**

Announces the availability to the public of a revised paper edition of the Summary of Supplemental Type Certificates, dated

January 1998. Also available at internet site <http://av-info.faa.gov>.

**21-6A**

**Production Under Type Certificate Only (7/1/82) (AIR-200)**

Provides information concerning Subpart F of FAR Part 21, and sets forth an acceptable means, not the sole means, of compliance with its requirements. SN 050-007-00636-5. \$1.75 Supt. Docs.

**21-9A**

**Manufacturers Reporting Failures, Malfunctions, or Defects (5/26/82) (AIR-200)**

Provides information to assist manufacturers of aeronautical products (aircraft, aircraft engines, propellers, appliances, and parts) in notifying the Federal Aviation Administration of certain failures, malfunctions, or defects, resulting from design or quality control problems, in the products which they manufacture.

**21-10A**

**Flight Recorder and Cockpit Voice Recorder Underwater Locating Devices (4/19/83) (A N M - 110)**

This AC provides an acceptable means of showing compliance with the underwater locating device (ULD) requirements of the Federal Aviation Regulations for recorder ULD's.

**21-12A**

**Application for U.S. Airworthiness Certificate, FAA Form 8130-6 (OMB 2120-0018) (3/26/87) (AIR-220)**

Provides instructions on the preparation and submittal of subject form.

**21-13**

**Standard Airworthiness Certification of Surplus Military Aircraft and Aircraft Built from Spare and Surplus Parts (4/5/73) (AIR-200)**

Provides guidance and instruction on establishing eligibility and submitting application for civil airworthiness certification of surplus military aircraft and aircraft assembled from spare and surplus parts, under FAR 21. (d) when an FAA Type Certificate has been issued under FAR 21.21. or FAR 21.27.

**→21-15L**

**Announcement of Availability: Aircraft, Aircraft Engines and Propeller Type Certificate Data Sheets and Specifications (4/12/99) (AFS-610)**

Provides information concerning the availability of the 1999 edition of the subject publication.

**21-16D  
RTCA Document DO-160C (7/21/98) (AIR-130)**

Calls attention to RTCA, Inc. (formerly Radio Technical Commission for Aeronautics) Document No. DO-160D, "Environmental Conditions and Test Procedures for Airborne Equipment," dated July 29, 1997, and discusses how the document may be used in showing compliance with airworthiness requirements.

**21-17  
Carriage of Cargo in Restricted Category Aircraft and Other Special Purpose Operations (3/15/82) (AIR-200)**

Advises that the carriage of cargo in a restricted category aircraft is considered a restricted category special purpose operation and provides procedures for designating other special purpose operations under FAR 21.25(b)(7). SN 050-007-00638-1. \$1.75 Supt. Docs.

**21-18  
Bilateral Airworthiness Agreements (8/20/82) (AIR-110)**

Makes available to interested persons copies of all current U.S. Bilateral Airworthiness Agreements (BAA) together with an explanation of their intent. SN 050-007-00614-4. \$7.00 Supt. Docs.

**21-19  
Installation of Used Engines In New Production Aircraft (4/26/82) (AIR-200)**

Advises that under certain specified criteria, used engines may be used in new production aircraft.

**21-20B  
Supplier Surveillance Procedures (4/22/96) (AIR-230)**

Clarifies and revises methods acceptable to the Administrator for surveillance of suppliers by the Federal Aviation

Administration Production Approval Holders. It applies to products and parts thereof, submitted for airworthiness certification or approval after design approval (e.g., type certificate) and a production approval has been granted.

**21-21  
Use Of Automobile Gasoline In Agricultural Aircraft (8/24/84) (AIR-100)**

Sets forth acceptable conditions under which automobile gasoline (autogas) may be used in restricted category agricultural aircraft powered by Pratt and Whitney R-985 and R-1340 radial engines, and being used in agricultural operations under Federal Aviation Regulations Part 137.

**21-22  
Injury Criteria for Human Exposure to Impact (6/20/85) (AIR-120)**

Describes a range of impact trauma which may be used to establish bases for acceptance levels or performance criteria in the evaluation of occupant survivability characteristics in civil aircraft.

**21-23  
Airworthiness Certification of Civil Aircraft Engine, Propellers, and Related Products (7/7/87) (AIR-4)**

Provides information on the Federal Aviation Administration's (FAA) objectives, regulations, and general practices for the United States of America airworthiness certification or acceptance of civil aeronautical products imported to the U.S.

**21-24  
Extending a Production Certificate to a Facility Located in a Bilateral Airworthiness Agreement Country (4/14/89) (AIR-220)**

Contains information and guidance concerning: (1) FAA production certificate (PC) holders located in the U.S. that plan to extend their PC to include a facility located in another country; (2) and the issuance of a PC to an applicant located in the U.S. when the applicant is engaged in a multinational coproduction program whereby major manufacturing facilities will be located in other countries.

**21-25A**

**Approval of Modified Seats and Berths Initially Approved Under a Technical Standard Order (6/3/97) (AFS-610)**

Provides information on approvals required for modifications to TSO'd seating systems. This revision incorporates guidance regarding TSO-C127 seating systems and additional information on marking and flammability testing requirements.

**21-26  
Quality Control for the Manufacture of Composite Structures (6/26/89) (AIR-220)**

Provides information and guidance concerning and acceptable means, but not the only means, of demonstrating compliance with the requirements of FAR Part 21, Certification Procedures for Products and Parts, regarding quality control (QC) systems for the manufacture of composite structures involving fiber reinforced materials, e.g., carbon (graphite), boron, aramid (Kevlar), and glass reinforced polymeric materials. Provides guidance regarding the essential features of QC systems for composites as mentioned in AC 20-107.

**21-26, Chg. 1 (1/26/90)**

Modifies the term "Rheometrics Dynamic Spectroscopy (RDS)," which has been shown to be specific to one manufacturer, to "Dynamic Rheological Analysis," which is more generic term.

**21-27  
Production Certification Multi-national/Multicorporate Consortia (7/14/89) (AIR-220)**

Provides information and describes criteria to be emphasized in evaluating and approving the quality control system of a multinational and/or multicorporate consortium seeking a production certificate (PC). This AC would not apply to a type certificate holds a PC. Production Certificated extensions are addressed in AC 21-24.

**21-28  
Airworthiness Certification of U.S. Produced Aircraft and Engine Kits Assembled Outside the United States (6/20/90) (AIR-220)**

Provides information and guidance concerning airworthiness certification

requirements for aircraft or aircraft engines, assembled from kits by aircraft or aircraft engine manufacturers located in other countries.

**21-29B**  
**Detecting and Reporting Suspected Unapproved Parts**  
**(2/20/98) (AVR-20)**

Provides information and guidance to the aviation community for detecting and reporting Suspected Unapproved Parts.

→**21-29B, Chg. 1**  
**(3/13/00) (AVR-20)**  
Implements revised FAA Form 8120, Suspected Unapproved Parts Notification, dated 11/99.

**21-31**  
**Quality Control for the Manufacture of Non-Metallic Compartment Interior Components**  
**(11/15/91) (AIR-220)**  
Provides information and guidance concerning compliance with the requirements of Federal Aviation Regulations (FAR) Part 21. Certification Procedures for Products and Parts.

**21-32A**  
**Control of Products and Parts Shipped Prior to Type Certificate Issuance**  
**(3/19/96) (AIR-239)**  
Provides a means, but not the only means, to control products and parts shipped prior to the issuance of a type certificate or supplemental type certificate by a manufacturer with an approved production inspection system or production certificate. This AC broadens the scope of AC 21-32 by including completed aircraft, aircraft engines, propellers, and parts thereof ship prior to TC/STC issuance.

**21-33**  
**Quality Assurance of Software Used In Aircraft or Related Products**  
**(2/3/93) (AIR-220)**  
Provides an acceptable means, but not the only means, to show compliance with the quality assurance requirements of FAR Part 21. Certification Procedures for Products and Parts, as applicable to the production of software used in type certificated aircraft or related products (airborn software). Also provides supplemental guidance for the establishment of a quality control or inspection to control the development and

production of software used in type certification aircraft.

**21-34**  
**Shoulder Harness-Safety Installations**  
**(6/4/93) (AIR-120)**  
Provides information and guidance pertinent to an acceptable means, but not the only means, for installation of shoulder harness and safety belt restraint systems at all seat locations on all previously type certificated aircraft.

**21-35**  
**Computer Generated/Stored Records**  
**(6/4/93) (AIR-220)**  
Provides information and guidance concerning controls for managing information systems that generate and store records used in the manufacture of products and parts. Describes an acceptable means, but not the sole means, of compliance with the Federal Aviation Regulations (PAR).

**2136**  
**Quality Assurance Control for Products Acceptance Software.**  
**(8/1 1/93) (AIR-200)**  
Provides information and guidance concerning control of software and related digital input/output data (used by production approval holders (PAH) and their suppliers during manufacture, inspection and/or test) designed for use in the acceptance of airborne products. Provides an acceptable means, but not the only means, of compliance with the applicable Federal Aviation Regulations.

**2137**  
**Primary Category Aircraft**  
**(6/14/94) (AIR-110)**  
Provides guidance for complying with Part 21 of Subchapter C, Chapter 1, Title 14 of the Code of Federal Regulations (CFR), which contains the certification procedures for products and parts.

**21-38**  
**Disposition of Unsalvageable Aircraft Parts and Materials**  
**(7/5/94) (AIR-230)**  
Provides information and guidance to persons involved in the sale, maintenance, or disposal of aircraft parts. It provides one means, but not the only means, of complying with 14 CFR Part 21, Certification Procedures for Products and Parts, requirements for control rejected parts and materials.

**21-40**  
**Application Guide for Obtaining a Supplemental Type Certificate**  
**(5/6/98) (AFS-610)**  
Intended as a certification guide and checklist for obtaining a Supplemental Type Certificate (STC). Title 14 of the Code of Federal Regulations (14 CFR) and Federal Aviation Administration (FAA) Directives (orders and notices) are the final authority and take precedence over this document.

→**21-41**  
**Continued Use of MIL-S-8879C, General Specification for Screw Threads**  
**(2/26/99) (AIR-120)**  
Provides information, clarification, and procedural guidance concerning the Inactivation of MIL-S-8879Cm Screw Threads, Controlled Radius Root with Increased Minor Diameter, as it relates to the civil aviation industry.

**21.17-1A**  
**Type Certification-Airships**  
**(9/25/92) (ACE-100)**  
Describes two acceptable criteria for the type certification of airships that may be used by an applicant in showing compliance with section 21.17(b) of the Federal Aviation Regulations (FAR), Part 21. General guidance relative to airship type certification is also provided.

**21.17-1A, Chg. 1**  
**(1 0/30/92)**

**21.17-2A**  
**Type Certification-Fixed Wing Gliders (Sailplanes) Including Powered Gliders**  
**(2/10/93) (ACE-112)**  
Provides information and guidance concerning acceptable means of showing compliance with Section 21.17(b) of Part 21 of the Federal Aviation Regulations (FAR) for type certification of gliders and powered gliders. General guidance relative to glider type certification is also provided.

**21.17-3**  
**Type Certification of Very Light Airplanes Under FAR 21.17(b)**  
**(12/21/92) (AIR-110)**  
Provides a means but not the only means for the type, production, and airworthiness certification of very light airplanes (VLA); and designates the "Joint Aviation



Requirements for Very Light Aeroplanes" (JAR-VLA), issued April 25, 1990, by the Joint Aviation Authorities (FAA) of Europe as an acceptable airworthiness criteria that provides in equivalent level of safety under FAR 2 1.17(b) for Federal Aviation Administration (FAA) type certification of VLA as a special class of aircraft. Provides other acceptable uses of the JAR-VLA in the United States aircraft certification regulatory system.

#### 21.25-1

##### **Issuance of Type Certificate: Restricted Category Agricultural Airplanes (12/1/97) (ACE-I 11)**

Provides information and guidance for obtaining a type certificate in the restricted category under Title 14 of the Code of Federal Regulations (14 CFR) Part 21, Section 21.25, for small single-engine piston and turbo-propeller driven airplanes, which will be used for agricultural special purpose operations. It also provides an acceptable means, but not the only means, of meeting the requirements of 14 CFR part 21 for the issuance of a type certificate in the restricted category.

#### 21.303-2H

##### **Announcement of Availability: Parts Manufacturer Approvals--1992 (Microfiche) (10/13/92) (AFS-610)**

Provides information concerning how to obtain the latest edition of parts manufacturing approvals, which are valid through August 1992. PMAs since 1992 are available at internet site <http://av-info.faa.gov>.

#### 21.431-1A

##### **Designated Alteration Station Authorization Procedures (12/19/85) (AIR-1 10)**

Updates the FAA Designated Alteration Station (DAS) authorization program; provides acceptable means of compliance with the DAS eligibility, personnel qualifications, and procedural requirements; provides information on FAA's participation in design change approval projects conducted under DAS procedures; and describes the FAA's DAS audit procedures.

#### 23-2

##### **Flammability Tests (8/20/84) (ACE-I 11)**

Provides information and guidance concerning compliance with FAR Part 23 and CAR Part 3 applicable to flammability tests for various materials, components, and electrical wire.

#### 23-3

##### **Structural Substantiation of Secondary Structures (9/5/85) (ACE-111)**

Provides information and guidance concerning acceptable means, but not the only means, of demonstrating compliance with the requirements of Part 23 of the Federal Aviation Regulations (FAR) applicable to the structural substantiation of secondary structures such as fairings, cowlings, antennae, etc.

#### 23-4

##### **Static Strength Substantiation of Attachment Points for Occupant Restraint System Installations (6/20/86) (ACE-I 11)**

Provides information and guidance concerning an acceptable means, but not the only means, of compliance with Part 23 of the Federal Aviation Regulations (FAR) applicable to the static strength substantiation of the attachment points for occupant restraint system installations which have both a safety belt and shoulder harness.

#### 23-5

##### **Cutouts in a Modified Fuselage of Small Airplanes (8/6/86) (ACE-I 11)**

Provides information and guidance concerning acceptable means of compliance with Part 23 of the Federal Aviation Regulations (FAR) applicable to the structural substantiation of a fuselage modified by incorporation of large or small cutouts.

#### 23-6

##### **Interpretation of Failure for Static Structural Test Programs (9/2/86) (ACE-I 11)**

Provides information and guidance concerning the interpretation of failure for small airplanes for static structural test programs.

#### 23-7

##### **Substantiation for an Increase in Maximum Weight, Maximum Landing Weight, or Maximum Zero Fuel Weight (7/1/87) (ACE-100)**

Provides information and guidance concerning acceptable means, but not the only means of compliance with Part 23 of the Federal Aviation Regulations (FAR) applicable to structural substantiation for an increase in maximum weight, maximum landing weight, or maximum zero fuel weight.

#### 23-8A

##### **Flight Test Guide for Certification of Part 23 Airplanes (2/9/89) (ACE-I 11)**

Provides information and guidance concerning compliance with Part 23 of the Federal Aviation Regulations (FAR) concerning flight tests and pilot judgments. SN 050-007-00817-1  
\$18.00 Supt. Docs.

#### 23-8A, Chg. 1

**(8/30/93)**  
SN 050-007-010 13-3  
\$8.50 Supt. Docs.

#### 23-9

##### **Evaluation of Flight Loads on Small Airplanes with T, V, +, or Y Empennage Configurations (1/27/88) (ACE-I 11)**

Provides information and guidance concerning compliance with Part 23 of the Federal Aviation Regulations (FAR) applicable to evaluation of empennage design flight loads on configurations where the horizontal tail surfaces are supported by the vertical tail, or have appreciable dihedral.

#### 23-10

##### **Auxiliary Fuel Systems for Reciprocating and Turbine Powered Part 23 Airplanes (8/5/91) (ACE-111)**

Provides information and guidance concerning acceptable means of showing compliance with Part 23 of the Federal Aviation Regulations (FAR), applicable to auxiliary fuel systems in Part 23 airplanes. It is intended to be used for auxiliary fuel system installations in the airplane including fuselage, wing, or external configurations.

#### 23-11

##### **Type Certification of Very Light Airplanes with Powerplants and Propellers Certificated to Parts 33 and 35 of the Federal Aviation Regulations (FAR) (12/2/92) (ACE-I 11)**

Provides an acceptable means of compliance with Part 23 of the FAR for type certification of certain small airplanes.

**23-12**  
**Structural Substantiation of Part 23 Airplane Modifications Involving Increased Engine Power**  
**(1/27/93) (ACE-III)**

Provides information and guidance concerning acceptable means of demonstrating compliance with the requirements of Part 23 of the Federal Aviation Regulations (FAR) applicable to the structural substantiation of modifications involving increased engine power.

**23-13**  
**Fatigue and Fail-Safe Evaluation of Flight Structure and Pressurized Cabin for Part 23 Airplanes**  
**(4/15/93) (ACE-111)**

Provides information and guidance concerning an acceptable means of demonstrating compliance with the requirements of Part 23 of the Federal Aviation Regulations (FAR) regarding fatigue and fail-safe evaluation of metallic airplane structure.

**23-14**  
**Type Certification Basis for Conversion from Reciprocating Engine to Turbine Engine-Powered Part 23 Airplanes**  
**(9/30/93) (ACE-100)**

Provides information and guidance concerning an acceptable means of showing compliance with Part 23 through amdt.23-45 of the Federal Aviation Regulations applicable to replacing reciprocating engines with gas turbine engines (turbopropeller, turbo-jet, or turbofan).

**23-15**  
**Small Airplane Certification Compliance Program**  
**(1/2/97) (ACE-111)**

Provides a compilation of historically acceptable means of compliance to specifically selected sections of Part 23 of the Federal Aviation Regulations that have become burdensome for small low performance airplanes to show compliance. However, applicability of these means of compliance remains the responsibility of the certification manager for each specific project. Utilization of these means of compliance does not affect the applicability

of any other certification requirements that fall outside the scope of this AC.

→ **23-16**  
**Powerplant Guide for Certification in Part 23 Airplanes**  
**(9/21/99) (ACE-I 11)**

Consolidates into a single document existing policy documents applicable to the powerplant installation in normal, utility, acrobatic, and commuter category airplanes; and, certain ACs that cover specific paragraphs of the regulations. SN 050-007-01285-3 \$14.00 Supt. Docs

→ **23-17**  
**Systems and Equipment Guide For Certification of Part 23 Airplanes**  
**(4/25/00) (ACE-100)**

Provides information and guidance concerning an acceptable means, but not the only means, for showing compliance with Title 14 Code of Federal Regulations (14 CFR) Part 23 for the certification of systems and equipment in normal, utility, acrobatic, and commuter category airplanes. SN 050-007-01287-0 \$21.00 Supt. Docs.

**23.562-1**  
**Dynamic Testing of Part 23 Airplane Seat/Restraint Systems and Occupant Protection**  
**(6/22/89) (ACE-I 11)**

Provides information and guidance regarding compliance with Part 23 of the Federal Aviation Regulations (FAR) applicable to dynamic testing of airplane seats.

**23.607-1**  
**Self-Locking Nuts on Bolts Subject to Rotation**  
**(8/24/84) (ACE-I 11)**

Provides information and guidance concerning compliance with Part 23 for self-locking nuts used on bolts subject to rotation in operation.

**23.629-1A**  
**Means of Compliance with Section 23.629, "Flutter"**  
**(10/23/85) (ACE-111)**

Presents information and guidance to provide one means, but not the only means, of complying with Section 23.629, Flutter (including flutter, airfoil divergence, and

control reversal) of Part 23 of the Federal Aviation Regulations.

→ **23.1309-1C**  
**Equipment, Systems, and Installations in Part 23 Airplanes**  
**(3/12/99) (ACE-I 11)**

Provides guidance and information for an acceptable means, but not the only means, for showing compliance with the requirements of Section 23.1309(a) and (b) (amendment 23-49) for equipment, systems, and installations in Title 14 Code of Federal Regulations (14 CFR) Part 23 airplanes.

→ **23.1311-1A**  
**Installation of Electronic Displays in Part 23 Airplanes**  
**(3/12/99) (ACE-I 11)**

Provides an acceptable means of showing compliance with Title 14 of the Code of Federal Regulations (14 CFR) applicable to the installation of electronic displays in Part 23 airplanes.

**23.1419-2A**  
**Certification of Part 23 Airplanes for Flight in Icing Conditions**  
**(8/19/98) (ACE-100)**

Sets forth an acceptable means, but not the only means, of demonstrating compliance with the ice protection requirements in 14 CFR Part 23. The FAA will consider other methods of demonstrating compliance that an applicant may present.

**23.1521-1B**  
**Type Certification of Automobile Gasoline in Part 23 Airplanes with Reciprocating Engines**  
**(3/2/95) (ACE-I 11)**

Sets forth acceptable means of compliance with Part 23 of the Federal Air Regulations (FAR), for approval/certification to use automobile gasoline with or without oxygenates (alcohol, ethers, etc.) in Part 23 airplanes. These procedures also apply to those airplanes approved/certificated under previous regulations superseded by Part 23.

**23.1521-2**  
**Type Certification of Oxygenates and Oxygenated Gasoline Fuels in Part 23 Airplanes with Reciprocating Engines**  
**(1/21/93) (ACE-I 11)**

Provides information and guidance concerning an acceptable means of compliance with Part 3 of the Civil Air

Regulations (CAR) and Part 23 of the Federal Aviation Regulations (FAR), applicable to approval procedures for certification of alternate fuels. Also apply to those airplanes approved under Part 4a of the CAR and Aeronautics Bulletin 7a.

**23.1521-2, Chg. 1  
(4/24/96) (ACE-1 11)**

Clarifies the Scope and makes the Scope and Purpose of this AC consistent with AC 23.152 1- 1 B, Type Certification of Automobile Gasoline in Part 23 Airplanes with Reciprocating Engines.

**25-4**

**Inertial Navigation Systems (INS)  
(2/18/66) (ANM-100)**

Sets forth an acceptable means for complying with rules governing the installation of inertial navigation systems in transport category aircraft.

**25-5**

**Installation Approval on Transport  
Category Airplanes of Cargo Unit Load  
Devices Approved as Meeting the  
Criteria in NAS 3610  
(6/3/70) (AIR-120)**

Sets forth an acceptable means, but not the sole means, of complying with the requirements of the Federal Aviation Regulations (FAR's) applicable to the installation on transport category airplanes of cargo load devices approved as meeting the criteria in NAS 3610.

**25-7A**

**Flight Test Guide for Certification of  
Transport Category Airplanes  
(3/31/98) (ANM-111)**

Provides guidelines for the flight test evaluation of transport category airplanes. SN 050-007-01214-4. \$33.00 Supt. Docs.

**→ 25-7A, Chg 1  
(6/3/99) (ANM-111)**

Provides updated guidance to ensure consistent application of certain airworthiness requirements adopted by Amendments 25-92 and 25-98

**25-8**

**Auxiliary Fuel System Installations  
(5/2/86) (ANM-112)**

Sets forth acceptable means, but not the sole means, by which compliance may be shown with auxiliary fuel system

installation requirements in accordance with the Federal Aviation Regulations identified within.

SN 050-007-00741-8.

\$4.00 Supt. Docs.

**25-9A**

**Smoke Detection, penetrating, and  
Evacuation Tests and Related Flight  
Manual Emergency Procedures  
(1/6/94) (ANM-111)**

Provides guidelines for the conduct of certification tests relating to smoke detection, penetration, and evacuation and to evaluate related Airplane Flight Manual (AFM) procedures. These guidelines may be used to reduce the number of decisions based solely on judgment in conducting tests and evaluating test results. While not mandatory this AC offers a method of demonstrating compliance with the applicable airworthiness requirements.

**25-10**

**Guidance for Installation of  
Miscellaneous Nonrequired Electrical  
Equipment  
(3/6/87) (ANM-110)**

Sets forth a method of compliance with the requirements of Part 25 of the Federal Aviation Regulations pertaining to installations of miscellaneous, nonrequired electrical equipment in transport category airplanes. Provides an example of a method of compliance that has been found acceptable.

**25-11**

**Transport Category Airplane Electronic  
Display Systems  
(7/16/87) (ANM-110B)**

Provides guidance for acceptance of cathode ray tube (CRT) based electronic display systems used for guidance, control, or decision-making by the pilots of transport category airplanes.

**25-12**

**Airworthiness Criteria for the Approval  
of Airborne Windshear Warning  
Systems in Transport Category  
Airplanes  
(11/2/87) (ANM-111)**

Provides guidance for the airworthiness approval of airborne windshear warning systems in transport category airplanes.

**25-13**

**Reduced and Derated Takeoff Thrust  
(Power) Procedures**

**(5/4/88) (ANM-112)**

Provides guidance for the certification and use of reduced thrust (power) for takeoff and derated takeoff and derated thrust on turbine powered transport category airplanes. Serves as a ready reference for those involved with airplane certification and operation.

**25-15**

**Approval of Flight Management Systems  
in Transport Category Airplanes  
(11/20/89) (ANM-111)**

Provides guidance material for the airworthiness approval of flight management systems (FMS) in transport category airplanes. Is issued for guidance purposes and to outline a method of compliance with the rules. In lieu of following this method without deviation, the applicant may elect to follow an alternate method, provided the alternate method is also found by the FAA to be an acceptable means of complying with the requirement of Part 25.

**25-16**

**Electrical Fault and Fire Prevention and  
Protection  
(4/5/91) (ANM-111)**

Provides information and guidance on electrically caused faults, overheat, smoke, and fire in transport category airplanes. Acceptable means are provided to minimize the potential for these conditions to occur, and to minimize or contain their effects when they do occur.

**25-17**

**Transport Airplane Cabin Interiors  
Crashworthiness Handbook  
(7/15/91) (ANM-114)**

Provides acceptable certification methods, but not necessarily the only acceptable methods, for demonstrating compliance with the crashworthiness requirements of Part 25 of the FAR for transport category airplanes.

SN 050-007-00915-1.

\$14.00 Supt. Docs.

**25-18**

**Transport Category Airplanes Modified  
for Cargo Service  
(1/6/94) (ANM-114)**

Provides guidance for demonstrating compliance with the FAR pertaining to transport category airplanes converted for use in all-cargo or combination passenger/cargo (combi) service and the

relationship of those regulations to the requirements of Parts 121 and 135 of the FAR.

**25-19**  
**Certification Maintenance Requirements (1/1/83) (ANM-113)**

Provides guidance on the selection, documentation, and control of Certification Maintenance Requirements (CMR's).

**25-20**  
**Pressurization, Ventilation, and Oxygen Systems Assessment for Subsonic Flight Including High Altitude Operation (9/10/96) (ANM-111)**

Provides guidance on methods of compliance with the requirements of part 25 of the Federal Aviation Regulations pertaining to pressurization, ventilation, and oxygen systems, especially as they pertain to high altitude subsonic flight. As with all AC material, it is not mandatory and does not constitute a regulation. The applicant may elect to follow alternate methods provided that these methods are also found by the FAA to be an acceptable means of complying with the requirements of part 25. Because the guidance on the methods of compliance presented in this AC are not mandatory, the terms "shall" and "must" when used herein, apply only to an applicant that chooses to follow a particular method without deviation.

**→ 25-21**  
**Certification of Transport Airplane Structure (9/1/99) (ANM-110)**

Provides guidance to airplane manufacturers, modifiers, foreign regulatory authorities, and FAA transport airplane type certification engineers and their designees.

**→ 25-22**  
**Certification of Transport Category Airplane Mechanical Systems (3/14/00) (ANM-112)**

Provides methods acceptable to the Administrator for showing compliance with the type certification requirements for transport airplane mechanical systems and equipment installations.

**→ 25-23** **Airworthiness Criteria for the Installation Approval of a Terrain Awareness and Warning System (TAWS) for Part 25 Airplanes**

**(5/22/00) (ANM-130L)**

Describes an acceptable means for obtaining FAA airworthiness approval for the installation of a Terrain Awareness and Warning System (TAWS) that has been approved under Technical Standard Order (TSO)-C151a.

**25.253-1A**  
**High-Speed Characteristics (12/27/76) (ANM-110A)**

Sets forth an acceptable means, but not the only means, by which compliance may be shown with FAR 25.253 during certification flight tests.

**25.335-1**  
**Design Dive Speed (10/20/97) (ANM-115)**

Sets forth an acceptable means, but not the only means, of demonstrating compliance with the provisions of part 25 of the Federal Aviation Regulations (FAR) related to the minimum speed margin between design cruise speed and design dive speed for transport category airplanes.

**25.562-1A**  
**Dynamic Evaluation of Seat Restraint Systems & Occupant Protection on Transport Category Airplanes (1/19/96) (ANM-14)**

Provides information and guidance regarding compliance with the provisions of Part 25 of the Federal Aviation Regulations applicable to dynamic testing of seats intended for use in transport category airplanes.

**25.571-1C**  
**Damage-Tolerance and Fatigue Evaluation of Structure (4/29/98) (ANM-115)**

Provides guidance for compliance with the provisions of 14 CFR Part 25 of the Federal Aviation Regulations (FAR) pertaining to the damage-tolerance and fatigue evaluation requirements for transport category aircraft structure. It also provides guidelines for the evaluation of scatter factors for the determination of life for parts categorized as safe-life.

**25.629-1A**  
**Aeroelastic Stability Substantiation of Transport Category Airplanes (7/23/98) (ANM-115)**

Provides guidance material for acceptable means for demonstrating compliance with the provisions of part 25 of the FAR

dealing with the design requirements for transport category airplanes to preclude the aeroelastic instabilities of flutter, divergence and control reversal.

**25.672-1**  
**Active Flight Controls (1/1/83) (ANM-110B)**

Sets forth an equivalent means of complying with the provisions of Part 25 of the Federal Aviation Regulations (FAR) pertaining to the certification requirements of active flight controls. The procedures set forth herein apply to load alleviation systems (SAS), and flutter suppression systems (FSS). These procedures provide compliance with Part 25 under the equivalent safety provisions of Section 21.21(b)(1) in addition to compliance with the applicable sections of Part 25.

**25.703-1**  
**Takeoff Configuration Warning Systems (3/17/93) (ANM-111)**

Provides guidance for the certification of takeoff configuration warning systems installed in transport category airplanes.

**25.773-1**  
**Pilot Compartment View for Transport Category Airplanes (1/8/93) (ANM-111)**

Provides guidance for demonstrating compliance with the airworthiness standards for transport category airplanes pertaining to pilot compartment view. These criteria include the properties of transport materials necessary to assure adequate visibility from the flight deck.

**25.783-1**  
**Fuselage Doors, Hatches, and Exits (12/10/86) (ANM-110)**

Sets forth acceptable means of compliance with the provisions of Part 25 of the Federal Aviation Regulations (FAR) dealing with the certification requirements of fuselage doors. Guidance information is provided for showing compliance with structural and functional safety standards for doors and their operating systems. The intent of the requirements and some acceptable means of compliance are discussed. Other means are acceptable if they meet the intent of the regulations. For the purpose of showing compliance with section 25.783 of FAR, hatches and exits are also considered to be doors.

**25.785-U**

**Flight Attendant Seat and Torso Restraint System Installations (1/6/94) (ANM-114)**

Provides information and guidance regarding an acceptable means, but not the only means, of compliance with the portions of Sections 25.785 and 121.311 of the FAR which deals with flight attendant seats.

**25.803-1****Emergency Evacuation Demonstrations (11/13/89) (ANM-114)**

Provides guidance material on a means, but not the only means, of compliance with the FAR concerning (1) conduct of full-scale emergency evacuation demonstrations, and (2) use analysis and tests for emergency evacuation demonstrations in lieu of conducting an actual demonstration.

**25.807-1****Uniform Distribution of Exits (8/13/90) (ANM-114)**

Provides guidance material for acceptable means, but not the only means, of demonstrating compliance with the requirements for distributing required passenger emergency exits uniformly. Addresses only those passenger-carrying airplanes, including mixed passenger/cargo ("combi") configurations, with a type certification basis for Amendment 25-15 or later with respect to Section 25.807(c) or airplanes with an earlier type certification basis required by Section 25.2 to meet Section 25.807, Amendment 25-1 5. Does not address airplanes with only one pair of required exits.

**25.812-1A****Floor Proximity Emergency Escape Path Marking (5/22/89) (ANM-114)**

Provides guidance material for use in demonstrating compliance with the provisions of Part 25 of the FAR requiring floor proximity emergency escape path markings.

**25.812-2****Floor Proximity Emergency Escape Path Marking Systems Incorporating Photoluminescent Elements (7/24/97) (ANM-114)**

Provides guidance for use in demonstrating compliance with the provisions of part 25 of the Federal Aviation Regulations (FAR) regarding floor proximity emergency escape path marking systems (FPEPMS)

which incorporate photoluminescent elements. Although mandatory terms such as "shall" or "must" are used in this AC, because the AC method of compliance is not itself mandatory, these terms apply only to applicants who seek to demonstrate compliance by use of the specific method described by this AC.

**25.853-1****Flammability Requirements for Aircraft Seat Cushions (9/17/86) (ANM-110)**

Provides guidance material for demonstrating compliance with the Federal Aviation Regulations (FAR) pertaining to flammability of aircraft seat cushions.

**25.939-1****Evaluating Turbine Engine Operating Characteristics (3/19/86) (ANM-112)**

Provides guidelines for the evaluation of turbine engine (turbojet, turboprop, and turboshaft) operating characteristics for subsonic transport category airplanes.

**25.963-1****Fuel Tank Access Covers (7/29/92) (ANM-112)**

Sets forth a means of compliance with the provisions of Part 25 of the FAR dealing with the certification requirements for fuel tank access covers on turbine powered transport category airplanes. Guidance information is provided for showing compliance with the impact and tire resistance requirements of Section 25.963(e).

**25.981-1A****Guidelines for Substantiating Compliance With the Fuel Tank Temperature Requirements (11/20/71) (AIR-110E)**

Sets forth some general guidelines for substantiating compliance with fuel tank temperature airworthiness standards section 25.981.

**25.994-1****Design Considerations to Protect Fuel Systems During a Wheel-Up Landing (7/24/86) (ANM-111)**

Presents guidelines and methods for complying with the requirements of section 25.994 of the Federal Aviation Regulations (FAR). These guidelines pertain to protecting fuel system components located in the engine nacelles and the fuselage from

damage which could result in spillage of enough fuel to constitute a fire hazard as a consequence of a wheels-up landing on a paved runway. This material is not mandatory and does not constitute a regulation.

**25.1309-1A****System Design Analysis (6/21/88) (ANM-112)**

Describes various acceptable means for showing compliance with the requirements of section 25.1309(b), (c), and (d) of the Federal Aviation Regulations (FAR). These means are intended to provide guidance for the experience engineering and operational judgment that must form the basis for compliance findings.

**25.1329-1A****Automatic Pilot Systems Approval (7/8/68) (ANM-110A)**

Sets forth an acceptable means by which compliance with the automatic pilot installation requirements of FAR 25.1329 may be shown.

**25.1357-1****Circuit Protective Device Accessibility (9/20/88) (ANM-111)**

Describes acceptable means of compliance with the requirements of section 25.1357(d) and (f) of the FAR with respect to the accessibility of circuit protection devices (CPD), such as circuit breakers or fuses. An applicant may elect to use any alternative means found to be acceptable by the FAA for compliance with the FAR.

**→ 25.1419-1****Certification of Transport Category Airplanes for Flight in Icing Conditions (8/18/99) (ANM-12)**

Provides guidance for certification of airframe ice protection systems on transport category airplanes.

**25.1455-1****Waste Water/Potable Water Drain System Certification (3/11/85) (ANM-112)**

Sets forth a specific method of compliance with the requirements of section 25.1455 of the FAR pertaining to draining of fluids through drain masts when the fluids are subject to freezing. This method is designed to verify that draining fluids will not accumulate as ice in sufficient quantity

to be hazardous. Is for guidance purposes and to set forth one method of compliance that has been found acceptable.

#### **25.1457-1A**

##### **Cockpit Voice Recorder Installations (11/3/69) (ANM-110A)**

Sets forth one acceptable means of compliance with provisions of PAR 25.1457 (b), (e), and (f) pertaining to area microphones, cockpit voice recorder location, and erasure features.

#### **25.1523-1**

##### **Minimum Flight Crew**

###### **(2/2/93) (ANM-11 1)**

Sets forth a method of compliance with the requirements of Section 25.1523 of the PAR which contains the certification requirements for minimum flight crew on transport category airplanes

#### **25.1529-1**

##### **Instructions for Continued**

##### **Airworthiness of Structural Repairs on Transport Airplanes**

###### **(8/1/91) (ANM-112)**

Provides instructions to ensure continued airworthiness of structural repairs on transport category airplanes. It addresses the approval procedures to follow when making structural repairs to structure certificated under the damage tolerance requirements of Section 25.571 of FAR, Amendment 25-45, and to type designs with Supplemental Inspection Documents which were based on these criteria.

#### **25.1581-1**

##### **Airplane Flight Manual**

###### **(7/14/97) (ANM-111)**

Identifies the information that must be provided in Airplane Flight Manual (AFM) under the airworthiness regulations and provides guidance as to the form and content of the approved portion of an AFM.

#### **→ 27-1B**

##### **Certification of Normal Category Rotorcraft**

###### **(9/30/99) (ASW-110)**

Provides guidance regarding an acceptable means but not the only means of compliance with Part 27 of the Federal Aviation Regulations (FAR) applicable to certification of normal category rotorcraft. This revision renumbers paragraphs to correspond with FAR numbering. Also, it

is divided by Subparts and the page numbers reflect the relevant FAR Subpart. SN 050-007-01186-5  
\$57.00 Sup.Docs.

#### **29-1**

##### **Approval Basis for Automatic Stabilization Equipment (ASE) Installations in Rotorcraft**

###### **(12/26/63) (AIR-160)**

Gives means for compliance with flight requirements in various CAR's.

#### **29-1, Chg. 1**

###### **(3/26/64)**

Transmits revised information about the time delay of automatic stabilization equipment.

#### **→ 29-2C**

##### **Certification of Transport Category Rotorcraft**

###### **(9/30/99) (ASW-110)**

Provides guidance regarding an acceptable means but not the only means of compliance with Part 29 of the Federal Aviation Regulations (FAR) applicable to certification of transport category rotorcraft. This revision renumbers paragraphs to correspond with FAR numbering. Also, it is divided by Subparts and the page numbers reflect the relevant FAR Subpart.

###### **SN 050-007-01187-3**

\$67.00 Supt.Docs.

#### **33-1B**

##### **Turbine-Engine Foreign Object Ingestion and Rotor Blade Containment Type Certification Procedures**

###### **(4/22/70) (ANE-100)**

Provides guidance and acceptable means, not the sole means, by which compliance may be shown with the design and construction requirements of Part 33 of the Federal Aviation Regulations.

#### **33-2B**

##### **Aircraft Engine Type Certification Handbook**

###### **(6/30/93) (ANE-110)**

Contains guidance relating to type certification of aircraft engines which will constitute acceptable means, although not the sole means, of compliance with the Federal Aviation Regulations.

#### **33-3**

##### **Turbine and Compressor Rotors Type Certification Substantiation Procedures (9/9/68) (ANE-100)**

Sets forth guidance and acceptable means, not the sole means, by which compliance may be shown with the turbine and compressor rotor substantiation requirements in FAR Part 33.

#### **33-4**

##### **Design Considerations Concerning The Use Of Titanium In Aircraft Turbine Engines**

###### **(7/28/83) (ANE-110)**

Provides guidance and acceptable means, not the sole means, by which compliance may be shown with the design requirements of Part 33 to minimize the probability of the occurrence of an internal fire when titanium is used in aircraft turbine engines.

#### **33-5**

##### **Turbine Engine Rotor Blade Containment/Durability**

###### **(6/18/90) (ANE-110)**

Provides guidance and acceptable methods, but not the only methods, that may be used by an applicant in showing compliance with the turbine engine rotor blade containment requirements of Part 33 of the Federal Aviation Regulations (FAR).

#### **33-6**

##### **Weld Repair of Aluminum Crankcases and Cylinders of Piston Engines**

###### **(12/20/94) (ANE-110)**

Provides information and guidance concerning acceptable means, but not the only means, for the development of process specifications for weld repairs on crankcases and cylinders of piston engines.

#### **→ 33.4-1**

##### **Instructions for Continued Airworthiness**

###### **(8/27/99) (ANE-110)**

Provides guidance on acceptable methods, but not the only methods, of compliance with section 33.4 of the Federal Aviation Regulations, Title 14, Code of Federal Regulations.

#### **→ 33.15-1**

##### **Manufacturing Process of Premium Quality Titanium Alloy Rotating Engine Components (9/22/98) (ANE-110)**

Provides guidance for compliance with the provisions under Title 14 under the Code of

Federal Regulations, Part 33 (14 CFR 33) pertaining to the materials suitability and durability requirements, 33.15, as applicable to the manufacture of titanium alloy high energy rotating parts of aircraft engines.

### 33.47-1

#### **Detonation Testing In Reciprocating Aircraft Engines**

**(6/27/88) (ANE-110)**

Provides guidance material for acceptable means of demonstrating compliance with the requirements of FAR Part 33, relating to detonation testing for reciprocating aircraft engines.

### 33.65-1

#### **Surge and Stall Characteristics of Aircraft Turbine Engines**

**(12/6/85) (ANE-110)**

Provides guidance material for acceptable means of demonstrating compliance with the requirements of Part 33 of the Federal Aviation Regulations (FAR) relative to surge and stall characteristics and thrust response of turbine engines. These guidelines do not constitute a regulation and are therefore not mandatory.

### 33.74-92

#### **Turbine Engine Continued Rotation and Rotor Locking**

**(2/14/97) (ANE-110)**

Provides guidance and acceptable methods, but not the only methods, that may be used to demonstrate compliance with the continued rotation and rotor locking requirements of part 33 of the Federal Aviation Regulations (FARs).

### ✈ 33.78-1

#### **Turbine Engine Power-Loss and Extreme Conditions of Rain and Hail**

**(2/8/00) (ANE-110)**

Provides guidance and acceptable methods, but not the only methods, that may be used to demonstrate compliance with the requirements contained under Title 14 of the Code of Federal Regulations (14 CFR), part 33, sections 33.78(a)(2) and 33.78(c).

### 33.83

#### **Turbine Engine Vibration Survey**

**(2/14/97) (ANE-110)**

Provides information and guidance concerning acceptable means, but not the only means, of compliance with part 33 of

the Federal Aviation Regulation (FAR) applicable to vibration tests.

### 35.37-1

#### **Composite Propeller Blade Fatigue Substantiation**

**(5/11/93) (ANE-110)**

Provides guidance and an acceptable method, but not the only method, by which composite propeller blades can be fatigue for determination of safe vibrating loading, as required by FAR Part 35.37.

### 35.37-1, Chg. 1

**(9/7/93) (ANE-110)**

### 36-1G

#### **Noise Levels for U.S. Certificated and Foreign Aircraft**

**(8/27/97) (AEE-110)**

Provides noise level data for airplanes certificated under FAR Part 36. Noise level data for foreign airplanes certificated to ICAO Annex 16 standards are also provided in a separate appendix for informational purposes.

### 36-2C

#### **Measured or Estimated (Uncertificated) Airplane Noise Levels**

**(2/12/86) (AEE-110)**

Provides estimates of noise levels or measured noise levels from airplanes not certificated to FAR Part 36.

### 36-3G

#### **Estimated Airplane Noise Levels in A-Weighted Decibels**

**(4/2/96) (AEE-110)**

Provides lists of estimated airplane noise levels in units of A-weighted sound levels in decibels (dBA). A-weighted levels were estimated for each airplane as they might occur during type certification tests conducted under Appendixes A, B, and C of Federal Aviation Regulations Part 36.

### 36-4B

#### **Noise Certification Handbook**

**(3/23/88) (AEE3)**

Promotes uniformity of implementation of the noise certification requirements of Part 36 of the Federal Aviation Regulations (FAR) by presenting technically acceptable test, analysis, and documentation procedures for subsonic turbojet airplanes that may be used by applicants for demonstrating compliance with Part 36. Where appropriate, FAA policy governing such certifications is reviewed.

### 39-1A

#### **Jig Fixtures; Replacement of Wing Attach Angles and Doublers on Douglas Model DC-3 Series Aircraft**

**Airworthiness Directive 66-18-2**

**(3/5/70) (AFS-340)**

Describes methods of determining that jig fixtures used in the replacement of the subject attached angles and doublers meet the requirements of Airworthiness Directive 66-1 8-2.

### ✈ 39-6S

#### **Summary of Airworthiness Directives, Announcement of Availability**

**(8/10/98) (AFS-610)**

Announces the availability of the Summary of Airworthiness Directives 1998 edition in paper, microfiche, and electronic CD-ROM and bulletin board system, and also provides information for ordering these publications.

### 39-7C

#### **Airworthiness Directives**

**(11/16/95) (AFS-340/AFS-613)**

Provides guidance and information to owners and operators of aircraft concerning their responsibility for complying with airworthiness directives (AD) and recording AD compliance in the appropriate maintenance records

### 43-2B

#### **Minimum Barometry for Calibration and Test of Atmospheric Pressure Instruments**

**(10/16/80) (AFS-343)**

Provides guidance material which may be used to determine the adequacy of barometers used in the calibration of aircraft static instruments and presents information concerning the general operation, calibration, and maintenance of such barometers.

### 43-3A

#### **Nondestructive Testing in Aircraft**

**(5/1 1/93) (AFS-330)**

Reviews the basic principles underlying nondestructive testing.  
SN 5007-00208-4.

\$4.50 Supt. Docs.

### 43-4A

#### **Corrosion Control for Aircraft**

**(7/25/91) (AFS-340)**

Summarizes current available data regarding identification and treatment of corrosive attack on aircraft structure and engine materials.

SN 050-007-0 1044-3.

\$13.00 Supt. Docs.

#### **43-6A**

##### **Automatic Pressure Altitude Encoding Systems and Transponders Maintenance and Inspection Practices**

**(11/1 1177) (AFS310)**

Provides information on the installation encoding altimeters based upon recently acquired operating experience and on the maintenance of ATC transponders.

43-7

##### **Ultrasonic Testing for Aircraft**

**(9/24/74) (AFS310)**

Describes methods used in ultrasonic nondestructive testing, discusses the many advantages, and points out the simplicity of the tests. Contains many illustrations.

SN 050-007-00282-3.

\$1.75 Supt. Docs.

#### **43-9C**

##### **Maintenance Records**

**(6/8/98) (AFS-340)**

Describes methods, procedures and practices determined to be acceptable for showing compliance with the general aviation maintenance record-making and record-keeping requirements of Title 14 of the Code of Federal Regulations (14 CFR) parts 43 and 91. This material is issued for guidance and outlines several methods of compliance with the regulations.

#### **43-10A**

##### **Mechanical Work Performed on U.S. and Canadian registered Aircraft**

**(2/25/83) (AFS-340)**

Provides updated information and guidance to aircraft owners/operators and maintenance personnel concerning mechanical work performed on U.S. registered aircraft by Canadian maintenance personnel and on Canadian registered aircraft by U.S. maintenance personnel and on Canadian registered aircraft by U.S. maintenance personnel.

#### **43-11**

##### **Reciprocating Engine Overhaul Terminology and Standards**

**(4/7/76) (AFS-340)**

Discusses engine overhaul terminology and standards that are used by the aviation industry.

#### **43-12A**

##### **Preventive Maintenance**

**(10/28/83) (AFS-340)**

Provides information concerning preventive maintenance, who may perform it, the standards of performance applicable to it, authority for approving aircraft for return to service, and the applicable recording requirements. It also clarifies those areas most frequently misunderstood in the past, and explains the recent changes in the rules concerning preventive maintenance.

#### **43-14**

##### **Maintenance of Weather Radar Radomes**

**(2/24/77) (AFS-350)**

Provides guidance material useful to repair facilities in the maintenance of weather radomes.

#### **43-15**

##### **Recommended Guidelines for Instrument Shops**

**(8/15/77) (AFS-350)**

Provides guidelines concerning environmental conditions for instrument repair and overhaul shops and information on calibration of test equipment. Provides information on obtaining printed copies of this document or electronic access to it.

Provides information on obtaining printed copies of this document or electronic access to it.

#### **→ 43-16A**

##### **Aviation Maintenance Alerts.**

**(9/3/99) (AFS-640)**

Issued monthly, the Aviation Maintenance Alerts are prepared from information submitted by persons who operate and maintain civil aeronautical products. The Alerts provide a uniform means through which safety and service experience may be interchanged. The intent of this publication is to improve safety and service reliability of aeronautical products.

(Available on a subscription basis from the Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954.)

43-17

##### **Methods, Techniques, and Practices Acceptable to the Administrator Governing the Installation, Removal, or Changes of Identification Data and Identification Plates**

**(9/5/79) (AFS-340)**

Provides information and guidance concerning the installation, removal, or change of identification data and identification plates on aircraft, aircraft engines, propellers, and propeller blades and hubs.

#### **43-203B**

##### **Altimeter and Static System Tests and Inspections**

**(6/20/79) (AFS-350)**

Contains acceptable methods for testing altimeters and static systems. Also provides general information concerning the test equipment used and precautions to be taken when performing such tests.

#### **→ 43-205**

##### **Guidance for Selecting Chemical Agents and Process for Depainting and General Cleaning of Aircraft and Aviation Products**

**(9/25/98) (AFS-340)**

Describes an acceptable means, but not the only means, for selecting and testing alternatives to chemical agents and/or processes currently required by some manufacturers' maintenance instructions, including instructions for continuing airworthiness.

#### **43.9-13**

##### **Instructions for Completion of AA Form 337 (OMB No. 2120-0020), Major Repair and Alteration (Airframe, Powerplant, Propeller, or Appliance)**

**(5/21/87) (AFS-340)**

Provides instructions for completing FAA Form 337. Major Repair and Alteration (Airframe, Powerplant, Propeller, or Appliance).

#### **→ 43.13-1B**

##### **Acceptable Methods, Techniques and Practices-- Aircraft Inspection and Repair**

**(9/8/98) (AFS-610)**

Contains methods, techniques, and practices acceptable to the Administrator for inspection and repair of nonpressurized areas of civil aircraft only when there are no manufacturer repair or maintenance instructions.

SN 050-007-00806-6.

\$55.00 Supt. Docs.



**43.13-2A****Acceptable Methods, Techniques, and Practices Aircraft Alterations (Includes Chg. 1).****(6/9/77) (AFS-340)**

Contains methods, techniques, and practices acceptable to the Administrator for use in altering civil aircraft.

SN 050-007-00625-O.

\$9.00 supt. Docs.

**43.13-2A, Chg. 2****(10/30/89)**

SN 050-007-00848-1.

\$1.00 supt. Docs.

**45-2A****Identification and Registration Marking (4/16/92) (AIR-230)**

Provides guidance and information concerning the identification and marking requirements of Federal Aviation Regulations (FAR) Part 45, and describes an acceptable means, but not the sole means, of compliance with the regulations.

45-3

**Installation, Removal, or Change of Identification Data and Identification Plates on Aircraft Engines, (1 1/6/85) (AIR-200)**

Provides information and guidance concerning the installation, removal, or change of identification data and identification plates on aircraft engines, and identifies an acceptable means, but not the only means, of compliance with FAR Part 45.

**Airmen****Subject No. 60**

60-4A

**Pilot's Spatial Disorientation (2/9/83) (AFS-840)**

Acquaints pilots with the hazards of disorientation caused by loss of visual reference with the surface.

**60-6B****Airplane Flight Manuals (AFM), Approved Manual Materials, Markings, and Placards Airplanes (9/25/80) (AFS-820)**

Calls attention to the regulatory requirements relating to the subject and

provides information to aid pilots to comply with these requirements.

**→ 60-11C****Test Aids and Materials That May Be Used by Airman Knowledge Testing Applicants****(4/26/99) (AFS-630)**

Provides information concerning test aids and materials that may be used by applicants taking airman knowledge tests.

60-22

**Aeronautical Decision Making****(12/13/91) (AFS-800)**

Provides introductory material, background information, and reference material on aeronautical decision making. Provides a systematic approach to risk assessment and stress management in aviation, illustrates how personal attitudes can influence decision

**→ 60-25D****Reference Materials and Subject Matter Knowledge Codes for Airman Knowledge Testing****(6/9/00) (AFS-630)**

Appendixes 1 and 2 contain the latest list of reference materials and subject matter knowledge codes for airman knowledge testing.

**→ 60-26B****Announcement of Availability: Flight Standards Service Airman Training and Testing Information****(6/8/00) (AFS-630)**

Provides Flight Standards Service on airman training and testing materials website information. The airman certification knowledge and skill testing information is critical to flight safety and comprises the FAA's standards for airman certification testing.

60-28

**English Language Skill Standards Required by 14 CFR Parts 61,63, and 65 (9/23/97) (AFS-630)**

Provides guidance for airman applicants, training organizations, designated examiners, and aviation safety inspectors in determining English language skills required for airman certification under Title 14 of the Code of Federal Regulations (14 CFR) parts 61, 63 and 65.

**→ 60-29****Renumbering of Airman Training and Testing Publications****(2/1/99) (AFS-630)**

Announces the renumbering of airman training and testing materials published by the Airman Testing Standards Branch, AFS-630, Oklahoma City, OK.

**61-9B****Pilot Transition Courses for Complex Single Engine and Light, Twin-Engine Airplanes****(1/15/74) (AFS-630)**

A guide to the procedures and standards to be followed for a thorough and comprehensive checkout in modern single- and twin-engine aircraft.

SN 050-007-00226-2.

\$3.00 Supt. Docs.

**61-10A****Private and Commercial Pilots Refresher Courses****(9/27/72) (AFS-630)**

Provides a syllabus of study requirements and describes the areas of training that should be emphasized.

SN 050-01 I-00060-7.

\$3.75 Supt. Docs.

**61-23C****Pilot's Handbook of Aeronautical Knowledge****(7/10/97) (AFS-630)**

Provides basic knowledge that is essential for pilots. Introduces pilots to the broad spectrum of knowledge that will be needed as they progress in their pilot training. Except for the Code of Federal Regulations pertinent to civil aviation, most of the knowledge areas applicable to pilot certification are presented. This handbook is useful to beginning pilots, as well as those pursuing more advanced pilot certificates.

SN 050-01 I-00078-1.

\$13.00 Supt. Docs.

**61-27C****Instrument Flying Handbook (Rev 1980).****(1 1/5/79) (AFS-630)**

Provides the pilot with basic information needed to acquire an FAA instrument rating. It is designed for the reader who holds at least a private pilot certificate and is knowledgeable in all areas covered in AC 61-23B, "Pilot's Handbook of Aeronautical Knowledge."

SN 050-007-00585-7.

\$11.50 Supt. Docs.

→**61-65D**

**Certification: Pilot and Flight Instructors and Ground Instructors (9/20/99) (AFS-840)**

Provides guidance for pilots and flight instructors on the certification standards, written test procedures, and other requirements contained in FAR Part 61.

**61-67B**

**Stall Spin Awareness Training (5/17/91) (AFS-840)**

Explains the stall and spin awareness training required under FAR Part 61 and offers guidance to flight instructors who provide that training. Informs pilots of the airworthiness standards for the type certification of small airplanes prescribed in FAR 23.221 concerning spin maneuvers and emphasizes the importance of observing restrictions which prohibit the intentional spinning of certain airplanes.

**61-83D**

**Nationally Scheduled FAA-Approved Industry-Conducted Flight Instructor Refresher Clinics (FIRC) (9/20/95) (AFS-840)**

Provides guidance for the preparation of training course outlines (TCO) for FAA-approved industry conducted FIRC's under Amendment 61-25 to the FAR, which was adopted 4/ 13194.

**61-84B**

**Role of Preflight Preparation (3/18/85) (AFS-840)**

Modifies and updates the flight information available to pilots as a result of changes in the basic Airmen Information Manual format.

**61-89D**

**Pilot Certificates: Aircraft Type Ratings (2/21/91) (AFS-840)**

Provides a generic type rating curriculum that may serve as a basis for schools to develop a training requirements of Federal Aviation Regulations Parts 61 and 141.

**61-91H**

**Pilot Proficiency Award Program (4/26/96) (AFS-800)**

Expands the Pilot Proficiency Award Program to 20 phases and makes special provision for seaplane-rated pilots to obtain "seawings."

**61-94**

**Pilot Transition Course For Self-Launching Or Powered Sailplanes (Motorgliders) (7/31/84) (AFS-840)**

Provides recommendations, but is not the only means, that may be used by glider pilots who desire to transition into sailplanes or gliders with self-launching capability.

**61-98A**

**Currency and Additional Qualification Requirements for Certificated Pilots (3/26/91) (AFS-840)**

Provides information for certificated pilots and flight instructors to use in complying with flight review required by FAR Section 61.56, the recent flight experience requirements of FAR Section 61.57, and the general limitations contained in FAR Section 61.31 (d), (e), and (g). It also provides guidance regarding transition to other makes and models of aircraft.

**61-107**

**Operations of Aircraft at Altitudes Above 25,000 Feet MSL and/or MACH numbers (Mmo) Greater Than .75 (1/23/91) (AFS-820)**

Alerts pilots transitioning to complex, high-performance aircraft which are capable of operating at high altitudes and high airspeeds of the need to be knowledgeable of the special physiological and aerodynamic considerations involved within this realm of operations.

→**61-111A**

**Announcement of Availability: FAA-S-8081-4C, Instrument Rating Practical Test Standards (PTS) for Airplane, Helicopter, Power Lift (12/15/98) (AFS-630)**

Provides information on obtaining printed copies of this document or electronic access to it.

→**61-118A**

**Announcement of Availability: FAA-S-8081-14, Private Pilot Practical Test Standards (Airplane) (3/1/99) (AFS-630)**

Provides information on obtaining printed copies of this document or electronic access to it

**61-121**

**Announcement of Availability:**

**FAA-S-8081-10A, Aircraft Dispatcher Practical Test Standard (5/17/95) (AFS-630)**

Announces availability of this publication from the Superintendent of Documents.

→**61-122C**

**Announcement of Availability:**

**FAA-S-8081-5C, Airline Transport Pilot and Aircraft Type Rating PTS for Airplane, Chg.1 (3/1/99) (AFS-630)**

Provides information on obtaining printed copies of this document or electronic access to it.

**61-123**

**Announcement of Availability: Practical Test Standards (Rotorcraft)**

**FAA-S-8081-7A, FAA-S-8081-15, FAA-S-8081-16 (3/5/96) (AFS-630)**

Announces the availability of FAA-S-8081-7A, Flight Instructor Practical Test Standards for Rotorcraft; FAA-S-8081-15, Private Pilot Practical Test Standards for Rotorcraft; FAA-S-8081-16, Commercial Pilot Practical Test Standards for Rotorcraft; and, provides information on obtaining printed copies or electronic access to these documents.

**61-124**

**Announcement of Availability:**

**FAA-S-8081-17, Private Pilot Practical Test Standards for Lighter-Than-Air (Balloon/Airship) (5/15/96) (AFS-630)**

Announces the availability of FAA-S-8081-17, Private Pilot Practical Test Standards for Lighter-Than-Air (Balloon/Airship), and provides information on obtaining printed copies or electronic access to this document.

**61-125**

**Announcement of Availability: Commercial Pilot Practical Test Standards: FAA-S-8081-18 and FAA-S-8081-12A, (4/30/97) (AFS-630)**

Announces the availability of FAA-S-8081-18, Commercial Pilot Practical Test Standards for Lighter-Than-Air, and FAA-S-8081-12A, Commercial Pilot Practical Test Standards for Airplane; and provides information on obtaining

printed copies or electronic access to these documents.

#### **61-126**

##### **Qualification and Approval of Personal Computer-Based Aviation Training Devices**

**(5/12/97) (AFS-840)**

Provides information and guidance to potential training device manufacturers and aviation training consumers concerning a means, acceptable to the Administrator, by which personal computer-based aviation training devices (PCATD) may be qualified and approved for flight training toward satisfying the instrument rating training under the provisions of 14 CFR parts 61 and 141.

#### **61-127**

##### **Announcement of Availability: FAA-S-8081-19, Recreational Pilot Powered Parachute Practical Test Standard**

**(6/2/97) (AFS-630)**

Announces the availability of FAA-S-8081 - 19, Recreational Pilot Powered Parachute Practical Test Standard and provides information on obtaining printed copies or electronic access.

#### **61-128**

##### **Announcement of Availability: FAA-S-8081-6A, Flight Instructor Practical Test Standard for Airplane, with Change 1**

**(4/13/98) (AFS-630)**

Announces the availability of the reprint of FAA-S-8081-6A, Flight Instructor Practical Test Standards for Airplane (Single-Engine and MultiEngine) with Change 1, and provides information for obtaining printed copies or electronic access.

#### **61-129**

##### **Announcement of Availability: FAA-S-8081-20, Airline Transport Pilot Aircraft Type Rating PTS for Helicopter**

**(8/12/98) (AFS-630)**

Announces the availability of FAA-S-8081-20, Airline Transport Pilot and Aircraft Type Rating Practical Test Standards for Helicopter, from the Superintendent of Documents, and provides information on obtaining printed copies or electronic access,

#### **→61-130**

**Announcement of Availability:**

##### **FAA-S-8081-8A, Flight instructor Practical Test Standards for Glider**

**(4/26/99) (AFS-630)**

Provides information on obtaining printed copies of this document or electronic access to it.

#### **→61-131**

##### **Announcement of Availability: FAA-S-88081-22, Private Pilot Practical Test Standards for Gliders**

**(4/26/99) (AFS-630)**

Provides information on obtaining printed copies of this document or electronic access to it.

#### **→61-132**

##### **Announcement of Availability: FAA-S-8081-23, Commercial Pilot Practical Test Standards for Glider**

**(4/26/99) (AFS-630)**

Provides information on obtaining printed copies of this document or electronic access to it.

#### **→63-2**

##### **Announcement of Availability: FAA-S-8081-21, Flight Engineer Practical Test Standards**

**(3/1/99) (AFS-630)**

Provides information on obtaining printed copies of this document or electronic access to it.

#### **65-2D**

##### **Airframe and Powerplant Mechanics Certification Guide**

**(1/30/76) (AFS-640)**

Provides information to prospective airframe and powerplant mechanics and other persons interested in FAA certification of aviation mechanics.

SN 050-007-0033 1-5.

\$8.50 Supt. Docs.

#### **65-5B**

##### **Parachute Rigger Senior/Master-certification Guide**

**(7/25/88) (AFS-630)**

Provides information to persons interested in becoming certificated parachute riggers. Provides information on how to apply for a parachute rigger certificate and ratings, and assists the applicant in preparing for the written, oral, and practical tests.

SN 050-007-00805-8.

\$1.75 Supt. Docs.

#### **65-9A**

##### **Airframe and Powerplant Mechanics--General Handbook**

**(4/12/76) (AFS-640)**

Designed as a study manual for persons preparing for a mechanic certificate with airframe or powerplant ratings. Emphasis in this volume is on theory and methods of application, and is intended to provide basic information on principles, fundamentals, and airframe and powerplant ratings.

SN 050-007-00379-0.

\$45.00 Supt. Docs.

#### **→65-9A, Chg. 1**

**(6/16/99) (AFS-640)**

This change accommodates NTSB's Safety Recommendation A-96-37. The "spot test" procedure that distinguishes between Inconel and stainless steel is replaced with an "electrochemical" procedure.

SN 050-007-01255-1

\$1.25 Supt. Docs.

#### **65-11B**

##### **Airframe and Powerplant Mechanics Certification Information**

**(4/17/87) (AFS-340)**

Assists applicants on the most frequently asked questions relating to the certification requirements for the airframe and powerplant mechanics tests.

SN 050-007-00750-7.

\$1.25 Supt. Docs.

#### **65-12A**

##### **Airframe and Powerplant Mechanics Powerplant Handbook**

**(4/12/76) (AFS-640)**

Designed to familiarize student mechanics with the construction, theory of operation, and maintenance of aircraft powerplants.

SN 050-007-00373-1.

\$26.00 Supt. Docs.

#### **→ 65-133**

##### **FAA Inspection Authorization Directory**

**(3/12/99) (AFS-640)**

Transmits a list of all certificated mechanics who held an inspection authorization as of February 11, 1999.

SN 050-007-01250-1

\$26.00 Supt. Docs.

#### **65-15A**

##### **Airframe and Powerplant Mechanics Airframe Handbook**

**(4/12/76) (AFS-640)**

Designed to familiarize student mechanics with airframe construction, repair, and the operating theory of airframe systems.  
SN 050-007-00391-9.  
\$53.00 Supt. Docs.

**65-23A**

Certification of **Repairmen**  
(Experimental Aircraft Builders)  
(7/22/87) (AFS-340)

Provides guidance to builders of experimental aircraft concerning certification as repairmen.

**65-24**

Certification Of A Repairman (General)  
(2/1/83) (AFS-350)

Provides information and guidance to the aviation public on the procedures for certification of a repairman.

→ **65-25B**

Aviation Maintenance Technician  
Awards Program  
(8/26/99) (AFS300)

Outlines and upgrades the requirements for participation in the Federal Aviation Administration's Aviation Maintenance Technician Awards Program.

**65-26B**

Charles Taylor "Master Mechanic  
Award"  
(7/20/98) (AFS-340)

Presents changes to the Charles Taylor "Master Mechanic" award. This FAA award recognizes aviation maintenance personnel who have at least 50 years of experience in the aviation maintenance industry. The award is named for Charles Taylor, the mechanic who maintained the Wright Brothers airplane.

**Airspace****Subject No. 70****70-2E**

Airspace Utilization Considerations in the Proposed Construction, Alteration, Activation & Deactivation of Airports  
(1 1/29/95) (AAS-200)

Advises persons proposing to construct, activate or deactivate a civil or joint-use (civil/military) airport of the requirements to notify the Federal Aviation Administration of their plan. It also outlines some of the airspace utilization

factors which should be considered early in the planning stages.

→ **70/7460-1 K**

**Obstruction Marking and Lighting**  
(2/3/00) (ATA-41 1)

Describes the FAA standards for marking and lighting structures to promote safety.

→ **70/7460-2K**

**Proposed Construction or Alteration of Objects that May Affect the Navigable Airspace**  
(2/3/00) (ATA-400)

Provides information to persons proposing to erect or alter an object that may affect the navigable airspace. Explains the need to notify FAA before construction begins and FAA's response to those notices as required by FAR 77.

**73-2**

**IFR Helicopter Operations in the Northeast Corridor**  
(6/1 1179) (ATF-4)

Advises interested users of special Area Navigation (RNAV) helicopter routes between Washington, DC, and Boston, Massachusetts, (known as the "Northeast Corridor") and provides guidelines to operators for the safe use of these routes. The use of these routes is voluntary.

**Air Traffic Control and General Operations****Subject No. 90****90-233**

**Aircraft Wake Turbulence**  
(10/1/91) (AFS-430)

Alerts pilots to the hazards of aircraft wake turbulence and recommends related operational procedures.

**90-34**

**Accidents Resulting from Wheelbarrowing In Tricycle Gear Equipped Aircraft**  
(2/27/68) (AFS-840)

Explains "wheelbarrowing", the circumstances under which it is likely to occur, and recommended corrective action.

**90-42F**

**Traffic Advisory Practices at Airports Without Operating Control Towers**  
(5/21/90) (AFS-820)

Contains good operating practices and procedures for use when approaching or departing airports without an operating control tower and airports that have control towers operating part time. Includes changes in radio frequencies and phraseology.

**90-45A**

**Approval of Area Navigation Systems for Use in the U.S. National Airspace System (Consolidated Reprint includes Changes 1 and 2)**  
(2/21/75) (AFS-400)

Provides guidelines for implementation of two-dimensional area navigation (2D RNAV) within the U.S. National Airspace System (NAS). Provides for both VOR/DME dependent systems and self-contained systems such as Inertial Navigation Systems (INS).

**90-48C**

**Pilots' Role in Collision Avoidance**  
(3/18/83) (AFS-820)

Alerts all pilots to the potential hazards of midair collision and near midair collision, and to emphasize those basic problem areas related to the human causal factors where improvements in pilot education, operating practices, procedures, and improved scanning techniques are needed to reduce midair conflicts.

**90-50D**

**Requirements for 760-Channel VHF Radio for Aeronautical Operations**  
(4/9/92) (ASR-520)

Encourages aircraft owners to upgrade their air-ground radio communication systems. Describes and upgrades civil air traffic control frequencies in the very high frequency (118.000 to 136.975 MHz) band. The 136.000 to 136.975 MHz band became available for aeronautical use on January 1, 1990.

**90-58C**

**VOR Course Errors Resulting from 50 kHz channel Mis-Selection**  
(4/7/75) (AFS310)

Provides information concerning a potentially hazardous situation when a 200 channel VOR receiver is inadvertently mistuned by 50 kHz from the frequency of a 100 kHz ground station.

**90-66A**

**Recommended Standard Traffic Patterns and Practices for Aeronautical**

**Operations at Airports without  
Operating Control Towers  
(8/26/93) (AFS-820)**

Calls attention to regulatory requirements and recommended procedures for aeronautical operations at airports without operating control towers. It recommends traffic patterns and operational procedures for aircraft, lighter than air, glider, parachute, rotorcraft, and ultra-light vehicle operations where such use is not in conflict with existing procedures in effect at those airports.

**90-67B**

**Light Signals from the Control Tower  
for Ground Vehicles, Equipment, and  
Personnel  
(8/25/94) (ATP-129)**

Provides the aviation community with the meaning of the light signals used when communicating with ground vehicles, equipment, and personnel on the airport movement area from the control tower.

90-75

**Strobe Light System Inspection Practices  
(2/10/77) (AFS310)**

Advices the general aviation community of the importance of proper maintenance of capacitive discharge strobe light systems which are installed within or near fuel systems.

90-79

**Recommended Practices and Procedures  
for the Use of Electronic Long-Range  
Navigation  
(7/14/80) (AFS-400)**

Presents recommended operational practices and procedures for the use of electronic long-range navigation equipment in oceanic or remote land areas.

**→ 90-80B**

**Approval of Offshore Standard  
Approach Procedure (OSAP), Airborne  
Radar Approaches (ARA), and  
Helicopter En Route Areas (HEDA)  
Criteria (4/12/99) (AFS-420)**

Provides criteria and describes methods for obtaining to use Offshore Standard Approach Procedures, Airborne Radar Approaches, and Helicopter Enroute Areas.

90-87

**Helicopter Dynamic Rollover,  
(1/27/86) (AFS-840)**

Familiarizes the helicopter pilot/instructor and pilot school personnel with the hazards, causes, and preventive measures associated with dynamic rollover in helicopters.

**90-89A**

**Amateur-Built Aircraft Flight Testing  
Handbook**

**(5/24/95) (AFS-340)**

Provides suggestions and safety-related recommendations to assist amateur and ultra-light builders in developing individualized aircraft flight test plans. It includes flight testing recommendations for canard-type and ultra-light aircraft.

SN 050-007-0 1087-7

\$6.50 supt. Docs.

**→ 90-91E**

**North American Route Program**

**(3/1/00) (ATT-200)**

Provides guidance to users of the National Air Space System for participation in the North American Route Program (NARP).

90-92

**Guidelines for the Operational Use of  
Loran-C Navigation Systems Outside the  
U.S. NAS**

**(2/5/93) (AFS-430)**

Contains guidance to be used by pilots for the operational use of Loran-C navigation systems under visual flight rules and instrument flight rules while operating outside the U.S. WAS and beyond the coverage of standard International Civil Aviation Organization navigation aids. These navigation aids include very high frequency omnidirectional beacons. Also contains guidance which is applicable for use while over the Gulf of Mexico and other coastal waters.

90-92, Chg.1

**(6/15/93)**

**→ 90-93A**

**Operating Procedures for Airport  
Traffic Control Towers (ATCT) That  
Are Not Operated by, or Under Contract  
with, the United States (Non-Federal)  
(11/15/99) (ATP-40)**

Recommends publications, administrative and operational procedures that will assist in the management of a non-federal ATCT (NFCT).

90-94

**Guidelines for Using GPS Equipment for  
IFR En Route & Terminal Operations &  
for Nonprecision Instrument  
Approaches in the U.S. National  
Airspace System  
(12/14/94) (AFS-820)**

Contains guidance for pilots to use Global Positioning System (GPS) equipment during instrument flight rules navigation. Emphasis is placed on the GPS approach overlay program.

**90-95**

**Unanticipated Right Yaw in Helicopters  
(12/26/95) (AFS-800)**

Examines the unanticipated right yaw phenomenon, the circumstances under which it may be encountered, how it can be prevented, and how the pilot should react if it is encountered.

→ 90-96

**Approval of U.S. Operators and Aircraft  
to Operate Under IFR in European  
Airspace Designated for Basic Area  
Navigation (BRNAV/RNP-5)  
(3/20/98) (AFS-430)**

Provides guidance regarding on-board Area Navigation (BRNAV) equipment requirements for operators of U.S. registered civil aircraft, operating in a Basic Area Navigation (BRNAV) environment in the European region.

**91-6A**

**Water, Slush, and Snow on the Runway  
(5/24/78) (AFS-430)**

Provides background and guidelines concerning the operation of turbojet aircraft with water, slush, and/or snow on the runway.

**91-13c**

**Cold Weather Operation of Aircraft  
(7/24/79) (AFS-820)**

Provides background and guidelines relating to operation of aircraft in the colder climates where wide temperature changes may occur.

**91-14D**

**Altimeter Setting Sources  
(4/9/79) (AFS-340)**

Provides the aviation public and industry with guidelines for setting up reliable altimeter setting sources.

**91-16**

**Category II Operations General**

**Aviation Airplanes**

**(8/7/67) (AFS-820)**

Sets forth acceptable means by which Category II operations may be approved in accordance with FAR Parts 23, 25, 61, 91, 97, and 135.

**91-22A**

**Altitude Alerting Devices/Systems**

**(12/23/71) (AFS-400)**

Provides guidelines for designing, installing, and evaluating altitude alerting systems.

**91-26**

**Maintenance and Handling of Air-Driven Gyroscopic Instruments**

**(10/29/69) (AFS310)**

Advises operators of general aviation aircraft of the need for proper maintenance of air-driven gyroscopic instruments and associated air filters.

**91-32B**

**Safety In and Around Helicopters**

**(2/18/97) (AFS-820)**

Provides suggestions to improve helicopter safety by means of acquainting flight and nonflight crew personnel and passengers with the precautions and procedures necessary to avoid undue hazards.

**91-33A**

**Use of Alternate Grades of Aviation Gasoline for Grade 80/87 and Use of Automotive Gasoline**

**(7/18/84) (ANE-110)**

Provides information relating to the use of alternate grades of gasoline when grade 80/87 aviation is not available and the resultant effects of the use of the alternate fuels which have higher TEL (tetraethyl lead) content. Suggestions are offered as acceptable means of avoiding engine operating difficulties when using alternate fuels. This circular also provides suggestions for added safety in the use of automotive gasoline in those aircraft engines and aircraft covered by Supplemental Type Certificates (STCs).

**91-35**

**Noise, Hearing Damage, and Fatigue in General Aviation Pilots**

**(3/28/72) (AAM-620)**

Acquaints pilots with the hazards of regular exposure to cockpit noise. Especially pertinent are piston-engine, fixed-wing, and rotary-wing aircraft.

**91-36C**

**VFR Flight Near Noise-Sensitive Areas**

**(10/19/84) (ATA-300)**

Encourages pilots making VFR flights near noise-sensitive areas to fly at altitudes higher than the minimum permitted by regulation and on flight paths which will reduce aircraft noise in such area.

**91-37A**

**Truth in Leasing**

**(1/16/78) (AFS-820)**

Provides information and guidance for leasees and conditional buyers of U.S. registered large civil aircraft. If you are planning to charter an airplane take a moment to learn about chartered and leased aircraft.

**91-38A**

**Large and Turbine-Powered Multiengine Airplanes, Part 91, Subpart D**

**(1 1/27/78) (AFS-340)**

Sets forth guidelines and procedures to assist operators of large and turbine-powered multiengine airplanes in meeting the safety requirements of FAR, Part 91, Subpart D.

**91-42D**

**Hazards of Rotating Propeller and Helicopter Rotor Blades**

**(3/3/83) (AFS-310)**

Updates statistical information on propellers-and rotor-to-person accidents and offers suggestions to reduce the frequency of such accidents.

**91-43**

**Unreliable Airspeed Indications**

**(6/26/75) (AFS-223)**

Alerts pilots to the possibility of erroneous airspeed/Mach indications that may be caused by blocking or freezing of the pilot system and advises of corrective action that can be taken

**91-44A**

**Operational and Maintenance Practices for Emergency Locator Transmitters and Receivers**

**(12/12/80) (AIR-120)**

Combines and updates material in several Advisory Circulars on the subject of emergency locator transmitters (ELT) receivers for airborne service.

**91-45C**

**Waivers: Aviation Events**

**(2/1/90) (AFS-810)**

Provides prospective aviation event sponsors and other interested parties with information necessary to assist in planning and conducting a safe aviation event. In addition, it provides information on the application process for a certificate of Waiver or Authorization.

**91-46**

**Gyroscopic Instruments. Good Operating Practices**

**(2/4/77) (AFS-350)**

Issued to re-emphasize to general aviation instrument-rated pilots the need to determine the proper operation of gyroscopic instruments, the importance of instrument cross-checks and proficiency in partial-panel operations.

**91-48**

**Acrobatics--Precision Flying With a Purpose**

**(6/29/77) (AFS-820)**

Provides information to persons who are interested in acrobatic flying to improve their piloting skills as recreation, sport, or as a competitive activity.

**91-49**

**General Aviation Procedures for Flight in North Atlantic Minimum Navigation Performance Specifications Airspace**

**(8/23/77) (AFS-820)**

Sets forth acceptable means, but not the only means, of obtaining authorization to operate within specified airspace over the North Atlantic, designated as the NAT (North Atlantic) MNPS (Minimum Navigation Performance Specifications) airspace, after 0001 Greenwich Mean Time, Dec. 29, 1977. This requirement applies to persons operating under FAR Part 91 and for FAR Part 135 certificate holders, except those operating under Section 135.2.

**91-49, Chg. 1**

**(2/6/78)**

**91-50**

**Importance of Transponder Operation and Altitude Reporting**

**(8/24/77) (AFS-820)**

Provides information and guidance concerning the importance of transponder operation and altitude reporting in the National Airspace System.

**91-51A****Effect of Icing on Aircraft Control and Airplane Deice and Anti-Ice Systems (7/19/96) (AFS-820)**

Provides information for pilots regarding the hazards of aircraft icing and the use of airplane deice and anti-ice systems.

**91-53A****Noise Abatement Departure Profile (7/22/93) (AFS-430)**

Describes acceptable criteria for safe noise abatement departure profiles (NADP) for subsonic turbojet-powered airplanes with a maximum certificated gross takeoff weight of more than 75,000 pounds. These procedures provide the user with one means, although not the only means, of establishing acceptable NADP's. These departure profiles are consistent with the airworthiness standards required by the Federal Aviation Regulations Part 25 for type certification and Part 91 for general airplane operations.

**91-54****Automatic Reporting Systems--Altimeter Setting and Other Operational Data (2/26/79) (AFS-820)**

Provides guidelines for the development and installation of automatic reporting systems for altimeter setting and other operational data intended for use in connection with IFR operations.

**91-55****Reduction of Electrical System Failures Following Aircraft Engine Starting (10/28/80) (AFS-310)**

Warns general aviation aircraft owner/pilots and maintenance personnel of possible total electrical system failure following aircraft engine starting.

**91-56A****Program For Large Transport Category Airplanes (4/29/98) (ANM-115)**

Provides guidance material to manufacturers and operators of transport category airplanes for use in developing a continuing structural integrity program to ensure safe operation of older airplanes throughout their operational lives. This guidance material applies to large transport airplanes which were certified under the fail-safe and fatigue requirements of Civil Air Regulations (CAR) 4b or 14 CFR part 25 of the Federal Aviation Regulations (FAR), prior to Amendment 25-45, and

which have a maximum gross weight greater than 75,000 pounds. Guidance material on this subject for other transports is provided in AC 91-60. The procedures set forth by this AC are applicable to the large transport category airplanes operated under Subpart D of part 91, and parts 121 and 125.

**91-57****Model Aircraft Operating Standards (6/9/81) (ATO-220)**

Outlines, and encourages voluntary compliance with, safety standards for model aircraft operators.

**→91-58A****Use of Pyrotechnic Visual Distress Signaling Devices in Aviation (2/10/00) (AFS-820/AFS-630)**

Suggests standards and procedures for the acquisition, use, and storage of pyrotechnic visual distress signaling devices that are intended for use in aircraft emergencies.

**91-59****Inspection and Care of General Aviation Aircraft Exhaust Systems (8/20/82) (AFS-340)**

Emphasizes the safety hazards of poorly maintained single-engine aircraft exhaust systems (reciprocating powerplants) and highlights points at which exhaust system failures occur. Further, it provides information on the kind of problems to be expected and recommends the performance of ongoing preventive maintenance and maintenance by pilots and mechanics, respectively.

**91-60****Continued Airworthiness of Older Airplanes, The (6/13/83) (AFS-310)**

Provides information and recommendations to manufacturers and airplane owners/operators for the development and use of programs to assure the continued airworthiness of older airplanes not covered under AC 91-56, Supplemental Structural Inspection Program for Large Transport Category Airplanes.

**91-61****A Hazard in Aerobatics: Effects of G-Forces on Pilots (2/28/84) (AFS-800/AAM-500)**

Provides background information on G-forces, their effect on the human body and

their role in safe flying, and offers suggestions for avoiding problems caused by acceleration encountered in aerobatic maneuvers.

**91-62A****Use of Child Seats In Aircraft (10/15/92) (AIR-121)**

Provides information to assist the public in the proper use of child seats aboard aircraft and provides precautions so all occupants are able to exit rapidly from aircraft during emergencies.

**91-63B****Temporary Flight Restrictions (TFR) (10/9/96) (ATO-120)**

Describes the types of conditions under which the FAA may impose a temporary flight restriction. Also explains which elements have been delegated authority by the Administrator to issue TFR's and lists the types of responsible agencies/offices from which the FAA will accept requests to establish TFR's. Examples of NOTAM's for each type of TFR are also provided.

**91-65****Use of Shoulder Harness In Passenger Seats (8/4/86) (AFS-820)**

Provides guidance and information to pilots, passengers, and maintenance personnel regarding the crash survivability aspects of small aircraft equipped with shoulder harnesses and the hazards of modifying seats, adding appendages to seats, and storage of articles, beneath the seats. Recommends inspection and maintenance of seats, lap belts and shoulder harnesses to enhance their effectiveness for crash survivability.

**91-66****Noise Abatement for Helicopters (6/4/87) (AFS-840)**

Presents guidelines intended to assist pilots, operators, managers, and other interested persons in the establishment of effective noise reduction procedures when operating helicopters.

**91-67****Minimum Equipment Requirements for General Aviation Operations Under FAR Part 91 (6/28/91) (AFS-820)**

Describes acceptable methods for the operation of aircraft under Federal Aviation Regulations Part 91 with certain

inoperative instrument and equipment, which are not essential for safe flight.

**91-68**

**Pilot Qualification and Operation of all Surplus Military Turbine-Powered Airplanes**

**(2/25/92) (AFS-820)**

Provides information and guidance to pilots who wish to become qualified to operate surplus military turbine-powered airplanes under a letter of authorization, as required by operating limitations issued for this type of aircraft.

→ **91-69A**

**Seaplane Safety for FAR Part 91 Operators**

**(1 P/19/99) (AFS-820)**

Provides revised information to FAR Part 91 seaplane operators regarding seaplane preflight, oral briefings for seaplane passengers, the use of safety belts and shoulder harnesses in seaplanes, escape/egress after capsizing, water survival, and flotation gear for seaplane occupants. This AC generally covers seaplanes engaged in not-for-hire operations. Most for-hire seaplane operations are subject to 14 CFR part 135, as well as part 91.

**91-70**

**Oceanic Operations, An Authoritative Guide to Oceanic Operations**

**(9/6/94) (AFS-400)**

Contains information and guidance to be used by operators and pilots planning oceanic flights.

**050-007-01081-8**

\$17.00 Supt. Docs.

**91-71**

**Operation of Hot Air Balloons with Airborne Heaters**

**(6/13/96) (AFS-820)**

Provides guidance for the safe and practical operation of hot air balloons with airborne heaters in compliance with appropriate portions of 14 CFR 91.

**91-72**

**Waivers of Provisions of Title 14 of the Code of Federal Regulations Part 91**

**(1 1/8/96) (AFS-820)**

Provides information concerning the submission of applications for the issuance of waivers of certain sections of Title 14 of

the Code of Federal Regulations (14 CFR) part 91.

**91.11-1**

**Guide to Drug Hazards in Aviation Medicine**

**(7/19/63) (AAM-620)**

Lists all commonly used drugs by pharmacological effect on airmen with side effects and recommendations.

**SN 050-009-00001-7.**

**\$5.50** Supt. Docs.

**91.21-1**

**Use of Portable Electronic Devices Aboard Aircraft**

**(8/20/93) (AFS-350)**

Provides aircraft operators with information and guidance for assistance in the compliance of FAR Section 91.21.

**97-1A**

**Runway Visual Range (RVR)**

**(9/28/77) (AFS-400)**

Describes RVR measuring equipment and its operating use.

**97-2**

**Data Base Standardization for the Global Positioning System (GPS) Overlay Program**

**(11/19/93) (AFS-420)**

Contains information and guidance to be used by data base vendors that develop data for use in the National Airspace System (NAS) for the nonprecision GPS overlay program.

**99-1C**

**Security Control of Air Traffic**

**(4/20/89) (ATP-140)**

Provides civil aviation with recommended practices for operating aircraft within air defense identification zone or when penetrating an air defense identification zone (ADIZ) during peacetime conditions. Specifies the procedures for use during an air defense emergency/defense emergency or prior to these declarations when procedures for Security Control of Air Traffic and Navigation Aids are in effect. Also provides information for airmen to use when area/sector/regional Emergency Security Control of Air Traffic procedures.

**103-4**

**Hazard Associated with Sublimation of Solid Carbon Dioxide (Dry Ice) Aboard Aircraft**

**(5/1/74) (AAM-620)**

Discusses the potential hazard associated with the sublimation of dry ice aboard aircraft. Precautionary measures and simple rules of thumb are indicated in order to preclude environmentally hazardous conditions affecting crews and passengers aboard aircraft.

**103-6**

**Ultralight Vehicle Operations-Airports, ATC, and Weather**

**(6/23/83) (AFS-820)**

Provides guidance for the operation of ultralight vehicles in the U.S. Information includes airport and flight park operations, how to work with ATC, and the availability of weather services.

**103-7**

**Ultralight Vehicle, The**

**(1/30/84) (AFS-820)**

Provides guidance to the operators of ultralights in the United States. It discusses the elements which make up the definition of ultralight vehicles for the purposes of operating under Federal Aviation Regulation (FAR) Part 103. It also discusses when an ultralight must be operated as an aircraft under the regulations applicable to certificated aircraft.

**105-2C**

**Sport Parachute Jumping**

**(1/2/91) (AFS-340/820)**

Provides suggestions to improve sport parachuting safety and disseminates information to assist all parties associated with sport parachuting in complying with FAR Part 105, Parachute Jumping. It also contains a list of aircraft which may be operated with one cabin door removed and includes procedures for obtaining FAA authorization for flight with door removal.

**107-1**

**Aviation Security--Airports**

**(5/19/72) (ACS-100)**

Furnishes guidance to those individuals and organizations having responsibilities under Part 107 of the Federal Aviation Regulations. It also provides recommendations for establishing and improving security for restricted or critical facilities and areas as the security of which is not dealt with in Part 107.

**108-1**

**Air Carrier Security**

**(10/16/81) (ACS3)**



Provides information and guidance for implementation of new FAR 108, Airplane Operator Security.  
SN 050-007-00642-0.  
S3.75 Supt. Docs.

108-Z

**Security Rules--Carriage of Weapons and Escorted Persons  
(10/16/81) (ACS-3)**

Provides information and guidance for implementation of FARs 108.1 I and 108.21 concerning the carriage of weapons and passengers under the control of armed law enforcement escorts.

108-3

**Screening of Persons Carrying U.S. Classified Material  
(11/6/81) (ACS-100)**

Provides instructions for the screening of passengers carrying classified material in order to maintain the integrity of the screening process and prevent the compromise of classified material.

**109-1**

**Aviation Security--Acceptance and Handling Procedures Indirect Air Carrier Security  
(3/3/82) (ACS-100)**

Provides information and guidance which should be used by "indirect air carriers" when accepting and handling property to be carried by "air carriers" or by the operator of any civil aircraft for transportation in air commerce.  
SN 050-007-00643-8.  
S2.25 Supt. Docs.

**Air Carrier and Commercial Operators and Helicopters**

**Subject No. 120**

**120-12A**

**Private Carriage Versus Common Carriage of Persons or Property  
(4/26/86) (AFS-820)**

Furnishes FAA personal and interested segments of industry with general guidelines for determining whether current or proposed transportation operations by air constitute private or common carriage.

**120-16C**

**Continuous Airworthiness Maintenance Programs**

**(8/8/80) (AFS350)**

Provides information and guidance on continuous airworthiness maintenance programs for operators subject to the provisions of FAR Parts 121, 127, or 135.

**120-17A**

**Maintenance Control by Reliability Methods**

**(3/27/78) (AFS-330)**

Provides information and guidance materials which may be used to design or develop maintenance reliability programs utilizing reliability control methods.

**120-26H**

**International Civil Aviation Organization Three-Letter and Radio Telephony Designators  
(6/21/91) (ATP-215)**

Defines the criteria and procedures required for an International Civil Aviation Organization (ICAO) three-letter and/or telephony designator assignment.

**120-27C**

**Aircraft Weight and Balance Control  
(1/1/79) (AFS-330)**

Provides one means, but not the only means, for obtaining approval of a weight and balance control system. It provides guidance to certificate holders that are required to have an approved weight and balance program by Title 14, Code of Federal Regulations (14 CFR) Part 121 or choose to have an approved program under 14 CFR Part 135.

**→ 120-28D**

**Criteria for Approval of Category III Landing Weather Minima for Takeoff, Landing, and Rollout  
(7/13/99) (AFS-400)**

States an acceptable means, not the only means, for obtaining approval of Category III Landing Weather Minima and low visibility takeoff, including the installation and approval of associated aircraft systems.

**120-29**

**Criteria for Approving Category I and Category II Landing Minimal for FAR 121 Operators  
(9/25/70) (AFS-400)**

Sets forth criteria used by FAA in approving turbojet landing minimal of less than 300-314 or RVR 4,000 (Category I) and Category II minimal for all aircraft.

**120-29, Chg. 1**

**(12/15/71)**

Revises Appendix I and deletes statement in Appendix 2 regarding 19-foot criteria (does not apply when using an approved automatic landing system).

**120-29, Chg. 2**

**(7/26/72)**

Clarifies the airborne system evaluation by stressing the necessity for meeting maintenance program requirements.

**120-29, Chg. 3**

**(12/3/74)**

Outlines the recent change in FAR Part 121 wherein both initial and recurrent pilot qualification for both Category I and II proficiency checks may be performed in a visual simulator.

**120-30A**

**Reporting Requirements of Air Carriers, Commercial Operators, Travel Clubs, and Air Traffic  
(9/8/76) (AFS330)**

Clarifies the mechanical reliability reporting requirements contained in Parts 121, 127, and 135 of the Federal Aviation Regulations (FAR) and the accident and incident reporting requirements of Part 830 (old Part 430) of the National Transportation Safety Board (NTSB), Safety Investigation Regulations.

**120-31A**

**Operational and Airworthiness Approval of Airborne Omega Radio Navigation Systems as a Means of Updating Self-Contained Navigation Systems  
(4/21/77) (AFS-260)**

Set forth an acceptable means, but not the only means, of obtaining airworthiness and operational approval of airborne OMEGA navigation systems used in updating self-contained navigation systems such as Doppler and Inertial Radar for operations outside the United States under FAR Part 121.

**120-32**

**Air Transportation of Handicapped Persons  
(3/25/77) (AFS-223)**

Identifies some of the problems handicapped air travelers face and provides some guidelines to airline personnel to help alleviate these problems.

**120-33**

**Operational Approval of Airborne Long-Range Navigation Systems for Flight Within the North Atlantic Minimum Navigation Performance Specifications Airspace**

**(6/24/77) (AFS-400)**

Sets forth acceptable means, but not the only means, for operators certificated under FAR Parts 121 and 123 and operators utilizing large aircraft under FAR 135.2, to obtain approval to operate within a specific airspace over the NAT (North Atlantic) MNPS (Minimum Navigation Performance Specifications) airspace after 0001 Greenwich Mean Time, Dec. 29, 1977.

**120-34**

**Air Transportation of Mental Patients (6/29/77) (AFS-223)**

Provides guidelines to organizations and persons responsible for transportation of mental patients and outlines the responsibilities of those escorting such persons.

**120-35B**

**Line Operational Simulations: Line-Oriented Flight Training, Special Purpose Operational Training, Line Operational Evaluation (9/6/90) (AFS-210)**

Presents guidelines for the design and implementation of subject advisory circular.

**120-37**

**Operational and Airworthiness Approval of Airborne Omega Radio Navigational Systems as a Sole Means of Long Range Navigation Outside the United States (10/10/78) (AIR-120)**

Establishes an acceptable means of obtaining airworthiness and operational approval of Airborne Omega Navigational Systems as a sole means of long range navigation for operations conducted outside the United States in accordance with FAR 121, 123, or large aircraft operated under FAR 135.2.

**120-38**

**Transport Category Airplanes Cabin Ozone Concentrations (10/10/80) (AFS-260)**

Provides guidance concerning acceptable means, but not the only means, for an air carrier to demonstrate compliance with the maximum permissible cabin ozone (03)

concentrations established by Section 121.578 of the Federal Aviation Regulations"

**120-39**

**Hazards of Waste Water Ice Accumulation Separating From Aircraft In Flight (10/31/80) (AFS-331)**

This advisory circular emphasizes the potential hazards to life and property due to lavatory fluid and potable water systems' ice accumulation and resultant separation from aircraft in flight.

**120-40B**

**Airplane Simulator Qualification (7/29/91) (AFS-205)**

Provides an acceptable means, but not the only means, of compliance with the Federal Aviation Regulations (FAR) regarding the evaluation of and qualification of airplane simulators used in training programs or airmen checking under Title 14 Code of Federal Regulations (CFR).

**120-40B, Chg. 1**

**(1/24/92) (AFS-205)**

**120-40B, Chg. 2**

**(6/9/93) (AFS-205)**

**120-41**

**Criteria For Operational Approval Of Airborne Wind Shear Alerting and Flight Guidance Systems (1 1/7/83) (AFS-400)**

Establishes an acceptable means, but not the only means, of obtaining operational approval of an airborne wind shear alerting and flight guidance system. It describes acceptable simulation test criteria, wind field modeling data, and minimum performance parameters for evaluating candidate systems.

**120-42A**

**Extended Range Operation With Two-Engine Airplanes (ETOPS) (12/30/88) (AFS-400)**

States an acceptable means but not the only means for obtaining approval under FAR Section 121.161 for two-engine airplanes to operate over a route that contains a point farther than one hour flying time at the normal one-engine inoperative cruise speed (in still air) from an adequate airport.

**120-43**

**Influence of Beards on Oxygen Mask Efficiency, The (1/27/87) (AFS-220)**

Provides information about the effects of beards on masks in continuous flow and demand oxygen systems.

**120-44A**

**Air Carrier First Aid Programs (3/9/95) (AFS-220)**

Provides guidance about first aid program resources, subjects, equipment, and pertinent regulations. This revision adds information about bloodborne pathogen awareness programs.

**120-45A**

**Airplane Flight Training Device Qualification (2/5/92) (AFS-205)**

Provides an acceptable means of ensuring compliance with the FAR regarding the evaluation and qualification of all training devices in which flight training, qualification, or certification of airmen under Title 14, Code of Federal Regulations, is accomplished. Specifies the criteria to be used by the FAA when qualifying a device and determining what the qualification level should be.

**120-47**

**Survival Equipment for Use In Overwater Operations (6/12/87) (AFS-220)**

Provides information regarding the survival items that should be carried during aircraft extended overwater operations. Provides a means, but not the only means, for compliance with the pertinent regulations.

**120-48**

**Communication and Coordination Between Flight Crewmembers and Flight Attendants (7/13/88) (AFS-220)**

Presents information on common problems associated with crew coordination between flight crewmembers and flight attendants and how these problems can be avoided.

**120-49**

**Certification of Air Carriers (1 1/23/88) (AFS-200)**

Provides information and guidance material on the certification process of air carriers under FAR Part 121 and Part 135. It provides information that can be used by applicants who desire to be certificated as

an air carrier in accordance with FAR Part 121 and Part 135.

**120-50A**  
**Guidelines for Operational Approval of Windshear Training Programs**  
**(2/9/96) (AFS-210)**

Provides guidance for approval of low-altitude windshear training for operations under Title 14 of the Code of Federal Regulations, parts 121 and 135.

**→ 120-51C**  
**Crew Resource Management Training**  
**(10/30/98) (AFS-210)**

Presents guidelines for developing, implementing, reinforcing, and accessing Crew Resource Management (CRM) training programs for flight crewmembers and other personnel essential to flight safety. These programs are designed to become an integral part of training and operations. Guidelines are primarily for those operators subject to 14 CFR Part 121 and 135.

**120-52**  
**Radiation Exposure of Air Carrier Crewmembers**  
**(3/5/90) (CAMI-AAM-600)**

Provides (a) information on cosmic radiation and or air shipments of radioactive material as sources of ionizing radiation exposure during air travel; (b) guidelines for exposure to radiation; (c) estimates of the amounts of galactic cosmic radiation received on air carrier flights on various routes to and from, or within, the contiguous United States (table I); and (d) example calculations for estimating health risks from exposure to galactic cosmic radiation.

**120-53**  
**Crew Qualification and Pilot Type Rating Requirements for Transport Category Aircraft Operated Under FAR Part 121**  
**(5/13/91) (AFS-200)**

Provides an acceptable means, but not the only means, of compliance with the FAR regarding qualification and type rating of flight crewmembers operating under FAR Part 121. Included are criteria for determination and approval of training, checking, and currency necessary for safe operation of aircraft in air carrier operations, particularly for pilots who frequently fly different variants of the same

type aircraft. Describes the process by which the FAA determines "type rating" requirements applicable to the pilot in command of new or modified aircraft.

**120-54**  
**Advanced Qualification Program**  
**(8/9/91) (AFS-210)**

Provides FAA guidance for approval of an Advanced Qualification Program (AQP) under SFAR 58.

**120-55A**  
**Air Carrier Operational Approval and Use of TCAS II**  
**(8/27/93) (AFS-450)**

Provides an acceptable means, but not the only means, to address Traffic Alert and Collision Avoidance System (TCAS) issues related to installation of TCAS II regarding compliance with Federal Aviation Regulations Parts 121, 125, and 129 requirements for air carriers.

**120-57A**  
**Surface Movement Guidance and Control System**  
**(12/19/96) (AFS-400)**

Describes the standards and provides guidance in the development of a Surface Movement Guidance and Control System (SMGCS) plan for U.S. airports where scheduled air carriers are authorized to conduct operations when the visibility is less than 1,200 feet runway visual range.

**120-58**  
**Pilot Guide for Large Aircraft Ground Deicing**  
**(9/30/92) (AFS-420)**

Contains recommendations for ensuring safe operations of large airplanes during icing conditions and guidelines for the development of adequate procedures for the deicing of large airplanes.

**120-59**  
**Air Carrier Internal Evaluation Programs**  
**(10/26/92) (AFS-201)**

Provides information and guidance material that may be used by air carrier certificate holders, operating under Federal Aviation Regulations (FAR) Parts 121 and 135, to design or develop an Internal Evaluation Program. The procedures and practices outlined in this (AC) can be applied to maintenance, flight operations, and security aspects of an air carrier's organization. Internal evaluation guidance for certificate

holders other than those operating under FAR Parts 121 and 135 may be issued separately in the future.

**120-60**  
**Ground Deicing and Anti-Icing Program**  
**(5/19/94) (AFS-240)**

Provides one means, but not the only means, for obtaining approval of a Ground Deicing and Anti-icing Program, and for ensuring compliance with FAR Section 121.629.

**120-61**  
**Crewmember Training on In-Flight Radiation Exposure**  
**(5/19/94) (AFS-203)**

Recommends subject to be covered in air carrier programs designed to: (1) inform crewmembers about radiation exposure and known associated health risks; and (2) assist crewmembers in making informed decisions with regard to their work on commercial air carriers. This AC provides a possible outline of courses but actual subject material should be gathered by the air carriers.

**120-62**  
**Takeoff Safety Training Aid-- Announcement of Availability**  
**(9/12/94) (AFS-210)**

Announces the availability of a joint industry/FAA Takeoff Safety Training Aid to help air carriers and pilots increase safety during the takeoff phase of flight.

**120-63**  
**Helicopter Simulator Qualification**  
**(10/11/94) (AFS-205)**

Provides a suggested means of compliance with the FAR regarding the evaluation and qualification of helicopter simulators to be used in training and checking.

**120-64**  
**Operational Use & Modification of Electronic Checklists**  
**(4/24/96) (AFS-200N)**

Provides an acceptable means, but not the only means, to address the processes for approval, operational use, and modification of electronic checklists (ECL) and ECL data by air carriers.

**120-65**  
**Interference With Crewmembers in the Performance of Their Duties**  
**(10/18/96) (AFS-200)**

Provides information to air carriers, crewmembers, law enforcement officers, and the general public regarding methods which may be used to manage and reduce the instances of interference with crewmembers. This AC provides general information about the types of subjects which could be included in an operator's program.

→ **120-66A**

**Aviation Safety Action Programs (ASAP)**

**(3/17/00) (AFS-200)**

Provides guidance for establishing Air Transportation Aviation Safety Action Programs, which enhance aviation safety through the prevention of accidents and incidents. Its focus is to encourage voluntary reporting of safety issues and events that come to the attention of employees of certain certificate holders.

**120-67**

**Criteria For Operational Approval of Auto Flight Guidance Systems**

**(3/18/97) (AFS400)**

States an acceptable means, but not the only means, for obtaining operational approval of the initial engagement or use of an Auto Flight Guidance System (AFGS) under Title 14 CFR part 121, section 121.579(d); part 125, section 125.329(e); and part 135, section 135.93(e) for the takeoff and initial climb phase of flight.

**120-68**

**Pilot Records Improvement Act of 1996 (5/8/97) (AFS-220)**

Provides information and standard forms that may be used to comply with provisions of the Pilot Records Improvement Act of 1996, which requires air carriers, prior to hiring an individual as a pilot, to request and receive: from the FAA certain records pertaining to the individual concerning pilot certificates and rating; certain records from other air carriers or other persons for whom the individual may have been employed in the past 5-year period; and from the National Driver Register pertinent records concerning the motor vehicle driving record of the individual being considered for hiring.

**120-69**

**Use of CD-ROM Systems (8/14/97) (AFS-350)**

Provides guidance on the use of CD-ROM (compact disk read-only memory) systems for the preservation and retention of the maintenance portion of a certificate holder's manual; also provides guidance on the use of CD-ROM systems for the retrieval of the technical data contained in a certificate holder's manual.

→ **120-70**

**Initial Air Carrier Operational Approval For Use of Digital Communication**

**Systems**

**(2/17/00) (AFS-430)**

Provides an acceptable means, but not the only means, for operational approval to use digital communication systems, including data link and voice communications (e.g. via satellite), for air traffic service (ATS) and related capabilities for operators conducting operations under Title 14 of the Code of Federal Regulations (14 CFR), parts 121, 125, 129, and 135.

**121-1A**

**Standard Operations Specifications**

**Aircraft Maintenance Handbook**

**(6/26/73) (AFS-330)**

Provides procedures acceptable to the Federal Aviation Administration which may be used by operators when establishing inspection intervals and overhaul times.

**121-1A, Chg. 1**

**(1/23/75)**

Updates the overhaul and inspection/check period of selected airframes, powerplants, propellers, and appliances in relation to current industry standards.

**121-1A, Chg. 2**

**(8/19/76)**

**121-1A, Chg. 3**

**(2/18/77)**

**121-1A, Chg. 4**

**(7/7/78)**

**121-6**

**Portable Battery-Powered Megaphones (1/5/66) (AIR-1 10)**

Sets forth an acceptable means for complying with rules (applicable to various persons operating under Part 121 of the Federal Aviation Regulations) that prescribe the installation of approved megaphones.

**121-13**

**Self-Contained Navigation Systems (Long Range)**

**(10/14/69) (AFS-224)**

States an acceptable means, not the only means, of compliance with the referenced sections of the FAR as they apply to persons operating under Parts 121 or 123 who desire approval of Doppler RADAR navigation systems or Inertial Navigation Systems (INS) for use in their operations.

**121-13, Chg. 1**

**(7/31/70)**

Assures standardization of the Minimum Equipment List (MEL) with respect to Inertial Navigation Systems (INS) through the appropriate Flight Operations Evaluation Board (FOEB).

**121-13, Chg. 2**

**(12/21/70)**

Permits all flight training for Doppler and INS qualification, to be completed in a simulator or training device approved for conducting the required pilot training and qualifications in the use of these systems.

**121-16**

**Maintenance Certification Procedures (1/1/9/70) (AFS-330)**

Provides guidance for the preparation of an Operations Specification--Preface, Page which will afford nominal and reasonable relief from approved service and overhaul time limits when a part is borrowed from another operator.

**121-21B**

**Information Guide for Training Programs and Manual Requirements in the Air Transportation of Hazardous Materials**

**(12/22/83) (ACS-130)**

Provides certificate holders operating aircraft under Code of Federal Regulations (CFR) Title 14, Parts 121 and 135, Federal Aviation Regulations, with information relevant to CFR Title 49 and the International Civil Aviation Organization (ICAO) Technical Instructions for the Safe Transport of Dangerous Goods by Air.

**121-22A**

**Maintenance Review Board (MRB) (3/7/97) (AFS-330)**

Provides guidelines that may be used by industry during its development and revision of the initial minimum scheduled maintenance/inspection requirements for

derivative or newly type-certificated transport category aircraft and powerplants for submittal to the FAA for approval. These initial minimum scheduled maintenance/inspection requirements are referred to in this AC as the Maintenance Review Board Report (MRBR). The requirements, after approval by the FAA, become the framework around which each air carrier develops its own individual maintenance program.

#### → 121-24B

##### **Passenger Safety Information Briefing and Briefing Cards (2/1/99) (AFS-220)**

Provides updated information regarding the items that are required to be covered in oral passenger briefings and on passenger briefing cards. Provides specific information about air carrier operations conducted under 14 CFR Part 121 and 135. It also provides suggestions for making this information interesting meaningful.

#### 121-25

##### **Additional Weather Information: Domestic and Flag Air Carriers (9/16/77) (AFS-224)**

Provides guidance and standards to domestic and flag air carriers for approval of a system for obtaining forecasts and reports of adverse weather phenomena.

#### 121-26

##### **Airports--Required Data (6/29/81) (AFS-250)**

Provides guidance as to acceptable methods for compliance with changes to the Federal Aviation Regulations 121.97(b) and 121.117(b).

#### 121-27

##### **Guide For Air Carriers, Freight Forwarders, and Shippers in Obtaining Information Dealing with the Transportation of Hazardous Materials by Air (1/3/84) (ACS-100)**

Provides air carriers, freight forwarders, and shippers with sources of regulatory and training information and provides office locations and telephone numbers where technical assistance may be obtained dealing with the provisions of the appropriate regulations concerning the transportation by air of commodities which have been designated as regulated hazardous materials.

#### 121-28

##### **Preparation and Loading of Magnetron Magnetic Materials for Air Transportation (3/19/87) (ACS-120)**

Provides information relevant to the preparation and loading of magnetic materials for shipment in civil aircraft.

#### 121-29A

##### **Carry-on Baggage (6/25/98) (AFS-200)**

Provides information to the public, certificated air carriers, commercial operators, and airline personnel about FAA-approved carry-on baggage programs. It updates, provides clarification and additional information on how to comply with the carry-on baggage regulations.

#### 121-31

##### **Flight Crew Sleeping Quarters and Rest Facilities (9/30/94) (AFS-220)**

Provides methods acceptable to the FAA Administrator for FAR Part 121 certificate holders who conduct flag and supplemental operations to obtain an FAA finding regarding the adequacy of onboard sleeping quarters for compliance with FAR Sections 121.485(a) and 121.523(b). This AC also references FAA-acceptable criteria which may be used for the design and installation of flightcrew sleeping quarters and rest facilities on commercial transport aircraft capable of long-range operations with augmented or enlarged flightcrew complements.

#### 121-32

##### **Dispatch Resource Management Training (2/7/95) (AFS-210)**

This AC complements guidance already developed for flightcrew members and other groups with respect to training in resource management. Focus is on the aircraft dispatcher whose traditional role in air carrier operations is being changed by fundamental changes in aviation, notably advanced technology.

#### 121.195(d)-1A

##### **Operational Landing Distances for Wet Runways; Transport Category Airplanes (6/19/90) (AFS-430)**

Sets forth an acceptable means, but not the only means, of showing compliance with Federal Aviation Regulations Section

121.195(d) pertaining to operational landing distances on wet runways. It is for guidance purposes and provides an example of a method of compliance that has been found acceptable.

#### 121.445-1D

##### **Pilot-In-Command Qualifications For Special Areas/Routes And Airports. FAR Section 121.445 (6/20/90) (AFS-220)**

Provides information for all Part 121 certificate holders concerning those area/routes and airports where the Administrator has determined that special qualifications are required of pilots in command as provided in FAR Section 121.445.

#### 125-1

##### **Operations of Large Airplanes Subject to Federal Aviation Regulations Part 125 (1/22/81) (AFS-820)**

Sets forth one means that would be acceptable to the Administrator to assist persons in complying with the requirements of FAR Part 125. It also provides (in Chapter 1) a test of applicability for those operations which may be subject to Part 125.

#### 1293

##### **Foreign Air Carrier (6/10/82) (ACS-120)**

Provides information and guidance for the implementation of Change 7 to FAR Part 129 (sections 129.25, 129.26, and 129.27) which became effective 9/11/81. The sensitive nature of many security procedures precludes full discussion in this AC. FAA Security Inspectors located throughout the U.S., as well as Foreign Air Carrier Principal Security Inspectors, located at FAA offices in Brussels, Belgium, and at FAA Regional Headquarters in the U.S., having responsibility for those foreign air carriers operating within the FAA offices geographical area of responsibility, are available to discuss the many issues that may arise regarding implementation and procedural details of security safeguards. SN 050-007-00641-1. \$2.50 Supt. Docs.

#### 129-4

##### **Maintenance Programs for U.S. Registered Aircraft Under FAR Part 129 (3/1/88) (AFS300)**

Provides information and guidance about acceptable maintenance programs for U.S. registered aircraft subject to FAR Part 129.

### **133-1A**

#### **Rotorcraft External-Load Operations in Accordance with FAR Part 133 (10/16/79) (AFS-824)**

Provides information for persons interested in applying for a Rotorcraft External-Load Operator Certificate.

### **135-4A**

#### **Aviation Security: Air Taxi Commercial Operators (ATCO) (4/15/76) (ACS-100)**

Provides recommended security measures applicable to ATCO operations that should minimize the effects of crimes directed against air transportation.

### **135-5B**

#### **Maintenance Program Approval for Carry-On Oxygen Equipment for Medical Purposes (9/26/83) (AFS-330)**

Provides a means whereby air taxi operators may submit a maintenance program to comply with FAR Part 135, Section 135.91.

### **135-7**

#### **FAR 135: Additional Maintenance Requirements for Aircraft Type Certificated for Nine or Less Passenger Seats (10/24/78) (AFS-350)**

Provides information on establishing methods for compliance with additional maintenance requirements of FAR Part 135, Revised December 1, 1978, for certain air taxi operators and commercial operators (ATCO).

### **135-9**

#### **FAR Part 135 Icing Limitations (5/30/81) (AFS-220)**

To provide guidance to commuter/air taxi operators to assist them to comply with Section 135.227.

### **135-10A**

#### **Approved Aircraft Inspection Program (12/22/93) (AFS-340)**

Provides information and guidance which can be used to develop an approved aircraft inspection program (Aaip) for operators subject to provisions of FAR Section 135.419.

### **→ 135-13G**

#### **FAA Certificated Air Carriers Directory (6/16/99) (AFS-640)**

Transmits a directory of air carriers certificated by the FAA under the provisions of Title 14 of the Code of Federal Regulations (14 CFR Part 135). The directory is current as of May 18, 1999.  
SN 050-007-01267-5  
\$10.00 Supt. Docs.

### **135-14A**

#### **Emergency Medical Services/Helicopter (EMS/H) (6/20/91) (AFS-250)**

Provides information and guidance material which may be used by Air Ambulance and Emergency Medical Service/Helicopter (EMS/H) operators. It must be emphasized that this AC diminishes neither the force nor the effect of the FAR. The regulations, of course, are always controlling. This AC does not interpret the regulations; interpretations are issued only under established national FAA procedures.

### **135-15**

#### **Emergency Medical Service/Airplane (EMS/A) (11/19/90) (AFS-250)**

Provides information and guidance material which may be used by Air Ambulance and Emergency Medical Service/Airplane (EMS/A). These guidelines are applicable to EMS/A operations under FAR Part 135 and are also recommended for EMS operations conducted by public service and other operators.

### **135-16**

#### **Ground Deicing & Anti-icing Training & Checking (12/12/94) (AFS-250)**

This AC provides one means, but not the only means, of complying with FAR Sections 135.227, 135.345, & 135.351 (referred to as the FAR Part 135 ground deicing rule).

### **135-17**

#### **Pilot Guide - Small Aircraft Ground Deicing (pocket) (12/14/94) (AFS-250)**

Contains information and recommendations to assist pilots in conducting ground operations during weather conditions conducive to aircraft icing. Also contains information and guidance regarding deicing

and anti-icing fluids and procedures for use and identifies the aircraft critical surfaces which must be free of contamination prior to takeoff.

### **135.169-1**

#### **Small Propeller-Driven Air Taxi Airplanes That Meet Sections 135.169 (formerly 135.144) (9/24/79) (AIR-110)**

Provides a summary of and information on small propeller-driven air taxi airplanes that comply with section 135.169(b) and may continue operations under FAR 135 with ten or more passenger seats.

### **137-1**

#### **Agricultural Aircraft Operations (1 1/29/65) (AFS-820)**

Explains and clarifies the requirements of FAR Part 137 and provides additional information, not regulatory in nature, which will assist interested persons in understanding the operating privileges and limitations of this Part.

### **139.201-1**

#### **Airport Certification Manual (ACM) and Airport Certification Specifications (ACS) (7/15/88) (AAS-310)**

Provides methods acceptable to the Administrator for showing compliance with the ACM and ACS requirements contained in Part 139 of the FAR.

## **Schools and Other Certificated Agencies**

### **Subject No. 140**

### **→ 140-2BB**

**FAA Certificated Pilot Schools Directory (6/16/99) (AFS-640)**  
Transmits a directory of all FAA Certificated Pilot Schools, current as of 5/26/99.

### **140-6C**

#### **Development and Use of Major Repair Data Under Provisions of Special Federal Aviation Regulation No. 36, The (2/3/84) (AFS340)**

Advises that SFAR 36 has been extended for an additional 5 years. Provides information related to the issuance of an authorization to allow repair stations, air carriers and air taxi/commercial operators

of large aircraft to develop and use major repair data not specifically approved by the Administrator in accordance with the requirements of SFAR 36.

#### →140-7J

#### **FAA Certificated Repair Stations Directory**

**(7/13/99) (AFS-640)**

Transmits a consolidated directory of all FAA Certificated Repair Stations certificated as of June 17, 1999, under the authority of Title 14 of the Code of Federal Regulations (14 CFR) Part 145.

SN 050-007-01269-1

\$14.00 Supt. Docs.

#### 140-S

#### **Guide for Developing and Evaluating an SFAR 36 Engineering Procedures Manual**

**(5/22/97) (AIR-1 10)**

Sets forth an acceptable means for developing and evaluating a 14 Code of Federal Regulations (14 CFR) Special Federal Aviation Regulation (SFAR) 36 engineering procedures manual. As such, the terms "shall" and "must" used in this advisory circular pertain to an applicant who chooses to follow the method presented.

#### 141-1A

#### **Pilot School Certification**

**(2/18/93) (AFS-840)**

Sets forth guidelines to assist persons in obtaining a pilot school certificate and associated ratings under FAR Part 14 1.

#### 145-2

#### **Repair Station Limited Ratings Beech 18 Series Aircraft**

**(4/21/76) (AFS-340)**

Advises of a required limited repair station rating to perform X-ray inspection of the Beech 18 wing and center section spar, and of the procedures for application.

#### 145-3

#### **Guide For Developing and Evaluating Repair Station Inspection Procedures Manuals**

**(2/13/81) (AFS-350)**

An aid to the development of a repair station inspection procedures manual that adequately covers all pertinent FARs.

#### 145-3, Chg. 1

**(2/10/82) (AFS-3500)**

#### 145-4

#### **Inspection, Retread, Repair and Alterations of Aircraft Tires**

**(9/27/82) (AFS-340)**

Provides guidance for the development, qualification, and approval of aircraft tire repair and retread process specifications, and the use of special nondestructive inspection (NDI) techniques. The information sets forth an acceptable means, but not the only means of developing a process specification for approval.

#### 145-5

#### **Repair Station Internal Evaluation Programs**

**(9/27/95) (AFS350)**

Provides information and guidance material that may be used by repair station certificate holders, operating under FAR Part 145, to design and implement an Internal Evaluation Program. The procedures and practices outlined in this AC can be applied to all of a repair station's operations. Establishing the type of program described in this AC is completely voluntary.

#### 145-6

#### **Repair Stations for Composite and Bonded Aircraft Structure**

**(11/15/96) (AFS-350)**

Provides information and guidance concerning an acceptable means, but not the only means, of demonstrating compliance with the requirements of 14 CFR parts 21, 43, 121, 125, 127, 135, and 145 regarding procedures and facilities for repairs and alterations of structures consisting of metal-bonded and fiber-reinforced materials (e.g., carbon, boron, aramid, and glass-reinforced polymeric materials mentioned in AC 20-107, Composite Aircraft Structures). Consideration will be given to any other method of compliance the applicant elects to present to FAA.

#### 145-7

#### **Issuance of Repair Station Certificates to JAA-Approved Maintenance Organizations Under the Maintenance Implementation Procedures of a Bilateral Aviation Safety Agreement**

**(5/1 1/98) (AFS350)**

Provides information and guidance concerning an acceptable means, but not the only means, that may be used by a Joint Aviation Authorities (JAA) Approved Maintenance Organization (AMO) to

obtain, renew, or amend a FAR Part 145 repair station certificate under the provisions of Maintenance Implementation Procedures (MIP) concluded pursuant to a Bilateral Aviation Safety Agreement (BASA).

#### →145-8

#### **Acceptance of Repair Stations by the JAA and JAA-Member NAAs Under the MIP of a Bilateral Aviation Safety Agreement**

**(3/29/99) (AFS-350)**

Provides information concerning an acceptable means, but not the only means, that should be used by repair station certificate holders in the U.S. to obtain Joint Aviation Authorities (JAA) and foreign National Aviation Authority (NAA) acceptance under the provisions of Maintenance Implementation Procedures (MIP) concluded pursuant to a Bilateral Aviation Safety Agreement.

#### 145.101-1B

#### **Application for Air Agency Certificate--Manufacturer's Maintenance Facility**

**(1 1/30/83) (AIR-200)**

Provides manufacturers with the procedures for obtaining a repair station certificate with a limited rating for a manufacturer (known as a manufacturer's maintenance facility (MMF)).

#### → 147-2EE

#### **Directory of FAA Certificated Aviation Maintenance Technician Schools**

**(3/12/99) (AFS-640)**

Transmits a directory of all FAA certificated aviation maintenance technician schools current as of 2/1 8/99.

#### 147-3

#### **Certification and Operation of Aviation Maintenance Technician Schools**

**(AMTS)**

**(5/22/91) (AFS-340)**

Provides guidance to assist persons in obtaining and maintaining Federal Aviation Administration certification of an AMTS. FAR Part 147, Aviation Maintenance Technician Schools, specifies requirements for the certification and operation of an AMTS. The regulation includes both the curriculum requirements and operating rules for all certificated AMTS.

#### 147-4

#### **Guidelines for Evaluation of Military Aviation Training Courses.**

**(5/19/94) (AFS-340)**

Provides guidelines to assist FAA-certificated aviation maintenance technician schools when crediting servicemen/women and veterans in the evaluation of aviation training completed while in the military.

## **Airports**

### **Subject No. 150**

#### **AIRPORT PLANNING**

**150/5000-5C**

**Designated U.S. International Airports (12/3/96) (AAS-3)**

Explains the different categories of U.S. airports designated to serve international air traffic and provides a list of these airports.

**150/5000-6**

**Announcement of Availability--Micro-Paver, Pavement Management System (PMS) (4/16/87) (AAS-200)**

Announces the availability of the Micro-Paver Program, Version 1.0.

**150/5000-7**

**Announcement of Availability Report No. DOT/FAA/PP/87-1 Measuring the Regional Economic Significance of Airports (5/12/87) (APP-400)**

Announces the availability of the report "Measuring the Regional Economic Significance of Airports."

**150/5000-9A**

**Announcement of Availability Report No. DOT/FAA/PP/92-5, Guidelines for the Sound Insulation of Residences Exposed to Aircraft Operations (7/3/93) (APP-510)**

Announces the availability of subject report.

**150/5000-10A**

**Announcement of Availability Report No. DOT/FAA/PP/-92-6, Estimating the Regional Economic Significance of Airports (7/3/93) (APP-400)**

Announces the availability of subject report.

**150/5000-11**

**Announcement of Availability All Cargo Carrier Activity Report (FAA Form 5100-108, Revised).**

**(3/3/93) (APP-400)**

Provides guidance for the submission of FAA Form 5100-108 (revised as of March 1993).

**150/5000-12**

**Announcement of Availability--Passenger Facility Charge (PFC) Application Form 5500-P (7/15/94) (APP-530)**

Provides guidance for the submission of the PFC application.

**150/5000-13**

**Announcement of Availability: RTCA Inc., Document RTCA-221 (9/7/94) (AAS-200)**

Announces the availability of RTCA, Inc., Document RTCA/DO-221, Guidance and Recommended Requirements for Airport Surface Movement Sensors.

**150/5000-14**

**Announcement of Availability--National Plan of Integrated Airport Systems (NPIAS) 1993-1997 (9/12/95) (APP-400)**

Announces the availability of the National Plan of Integrated Airport Systems (NPIAS) 1993-1997.

## **NOISE CONTROL AND COMPATIBILITY PLANNING FOR AIRPORTS**

**150/5020-1**

**Noise Control and Compatibility Planning for Airports (8/5/83) (AEE300)**

Provides general guidance for noise control and compatibility planning for airports. Provides specific guidance for preparation of airport noise exposure maps and airport noise compatibility programs by airport operators for submission under FAR Part 150 and the Aviation Safety and Noise Abatement Act of 1979. Contains an expanded Table of Land Uses Normally Compatible with Various Levels of Noise.

**150/5050-3B**

**Planning the State Aviation System (1/6/89) (APP-400)**

Provides general guidance in preparing a State airport system plan.  
SN 050-007-00813-9.  
\$6.00 Supt. Docs.

**150/5050-4**

**Citizen Participation in Airport Planning (9/26/75) (APP-600)**

Provides guidance for citizen involvement in airport planning. Although not mandatory for airport grant programs, it demonstrates the need for early citizen participation.

**150/5050-7**

**Establishment of Airport Action Groups (6/23/87) (AAS-300)**

Provides guidance on the establishment of airport action groups.

**150/5060-5**

**Airport Capacity And Delay (Consolidated reprint includes Change 1).**

**(9/23/83) (AAS-100)**

Explains how to compute airport capacity and aircraft delay for airport planning and design.

**150/5060-5, Chg. 2**

**(12/1/95) (AAS-100)**

Reflects the increased capacity resulting from the recent change in parallel runway separation criteria, adds a procedure for calculating savings associated with a reduction in aircraft delay, and updates the capacity and delay computer program references.

**150/5070-3**

**Planning the Airport Industrial Park (9/30/65) (APP-400)**

Provides guidance to communities, airport boards, and industrial developers for the planning and development of Airport Industrial Parks.

**150/5070-5**

**Planning the Metropolitan Airport System (5/22/70) (APP-400)**

Gives guidance in developing airport-system plans for large metropolitan areas. It may be used by metropolitan planning agencies and their consultants in preparing such system plans and by the FAA in reviewing same.  
SN 050-008-00003-7.  
\$7.50 Supt. Docs.



**150/5070-6A****Airport Master Plans****(6/1/85) (APP-400)**

Provides guidance for the preparation of airport master plans, pursuant to the provisions of the Airport and Airway Improvement Act of 1982.

SN 050-007-00703-5.

\$5.50 Supt. Docs.

## FEDERAL-AID AIRPORT PROGRAMS

**150/5100-6D****Labor Requirements for the Airport Improvement Program (AIP)****(10/15/86) (APP-510)**

Encompasses the basic labor and associated requirements for the Airport Improvement Program (ADAP). It is intended for sponsors using program assistance and for contractors and subcontractors working on projects under the program.

**150/5100-10A****Accounting Records Guide for Airport Aid Program Sponsors****(4/13/76) (APP-500)**

This advisory circular sets forth recordkeeping requirements imposed on sponsor of Airport Development Aid Program (ADAP) and the Planning Grant Program (PGP) projects by the Airport and Airway Development Act of 1970, as amended. In addition, the Federal Aviation Regulations (FARs) require a sponsor to establish and maintain a financial management system that meets the standards set forth in FAR 152, Appendix K. This circular provides detailed explanations of these requirements.

**→ 150/5100-13A****Development of State Standards for Non-Primary Airports****(9/28/99) (AAS-200)**

Provides guidelines for the development of state standards for nonprimary public-use airports as provided for in Title 49 United States Code, Section 47-05©.

**150/5100-14C****Architectural, Engineering, and Planning Consultant Services for Airport Grant Projects****(2/16/94) (AAS-200)**

Provides guidance for airport sponsors in the selection and employment of architectural, engineering, and planning

consultants under Federal Aviation Administration airport grant programs.

**150/5100-15A****Civil Rights Requirements For The Airport Improvement Program (AIP)****(3/31/89) (APP-510)**

Encompasses the basic civil rights requirements for the Airport Improvement Program (AIP). It is intended for sponsors using program assistance and for contractors and subcontractors working on projects under the program.

**150/5100-16A****Airport Improvement Program Grant****Assurance Number One--General****Federal Requirements,****(10/4/88) (APP-510)**

Describes the Federal requirements contained in Assurance 1 of the Grant Assurances required by the Airport and Airway Improvement Act of 1982, as amended. It is intended for sponsors receiving assistance under the Airport Improvement.

**150/5100-17****Land Acquisition and Relocation Assistance for Airport Improvement Program Assisted Projects****(3/29/96) (APP-600)**

Provides guidance to sponsors of airport projects developed under the Airport Improvement Program (AIP) to meet the requirements of the Uniform Relocation Assistance and Real Property Acquisition Act of 1970 (PL 91-646, as amended) and the regulations of the Office of the Secretary of Transportation, 49 CFR Part 24.

**150/5100-17, Chg. 1****(12/20/96) (APP-600)**

Change implements revised fixed moving expense schedule for residential displacements.

**150/5100-17, Chg. 2****(5/1/97) (APP-600)**

Update the AC by replacing with new Appendix 2 describing replacement housing payment options for mobile home displacement; modifying paragraph 8-3.

## SURPLUS AIRPORT PROPERTY CONVEYANCE PROGRAMS

**150/5150-2B****Federal Surplus Personal Property for Public Airport Purposes****(10/1/84) (APP-510)**

Attempts to Acquaint public airport owners and other interested parties with the Federal Surplus Personal Property Program for public airports and to outline procedures to be used in applying for and acquiring surplus personal property for this purpose.

## AIRPORT COMPLIANCE PROGRAM

**150/5190-1A****Minimum Standards for Commercial Aeronautical Activities on Public Airports****(12/16/85) (AAS-310)**

Provides basic information and broad guidance material to assist the owners of public airports in developing and applying minimum standards for commercial aeronautical activities on public airports.

**150/5190-2A****Exclusive Rights at Airports.****(Consolidated reprint incorporates Change 1).****(4/4/72) (AAS-300)**

Makes available to public airport owners, and to other interested persons, basic information and guidance on FAA's policy regarding exclusive rights at public airports on which Federal funds, administered by FAA, have been expended.

**150/5190-4A****Model Zoning Ordinance to Limit Height of Objects Around Airports, A****(12/14/87) (AAS-100)**

Provides a model zoning ordinance to be used as a guide to control the height of objects around airports.

## AIRPORT SAFETY—GENERAL

**→ 150/5200-12B****Fire Department Responsibility in Protecting Evidence at the Scene of an Aircraft Accident****(9/3/99) (AAS-300)**

Furnishes general guidance on the proper preservation of evidence by airport employees, airport management and other personnel responsible for firefighting and rescue operations at the scene of an aircraft accident..

**150/5200-18B**  
**Airport Safety Self-Inspection**  
**(5/2/88) (AAS-310)**

Provides information to airport operators on airport self-inspection programs and identifies items that should be included in such a program.

**150/5200-18B**  
**Autoinspeccion De Seguridad Para Los**  
**Aeropuertos**  
**(5/2/88) (AAS-310)**  
(Spanish Version).

**150/5200-28B**  
**Notices to Airmen (NOTAMS) for**  
**Airport Operators**  
**(6/26/96) (AAS-310)**  
Provides guidance for use of the NOTAM system in ah-port condition reporting.

**150/5200-30A**  
**Airport Winter Safety and Operations**  
**(10/1/91) (AAS-100)**  
Provides guidance to assist airport owners/operators in the development of an acceptable airport snow and ice control program and to provide guidance on appropriate field condition reporting procedures.

**150/5200-30A, Chg. 1**  
**(11/22/91) (AAS-100)**

**150/5200-30A, Chg. 2**  
**(3/27/95)**  
Chapters 2 and 3 have been revised to incorporate additional guidance in conducting runway-friction surveys under winter operational conditions, and to provide a generic specification for fluid-based runway deicers/anti-icers that may be used on aircraft operational areas.

→ **150/5200-30A, Chg. 3**  
**(11/30/98) (AAS-100)**  
Provides guidance to assist airport operators in applying sand to runways under winter operational conditions; the use of runway and taxiway and taxiway edge light markers; and in reporting

runway friction measurements taken under winter operational conditions.

→ **150/5200-30A, Chg. 4**  
**(11/15/99) (AAS-100)**  
Modifies guidance in reporting runway friction values measured under winter operational conditions.

→ **150/5200-31A**  
**Airport Emergency Plan**  
**(9/30/99) (AAS-310)**  
Provides guidance for the preparation of emergency plans at civil airports.

**150/5200-32**  
**Announcement of Availability: Bird**  
**Strike Incident/Ingestion Report**  
**(2/14/90) (AAS-310)**  
Explains the nature of the revision of FAA Form 5200-7, Bird Strike Incident/Ingestion Report and how it can be obtained.

**150/5200-33**  
**Hazardous Wildlife Attractants on or**  
**Near Airports**  
**(5/1/97) (AAS-310)**  
Provides guidance on locating certain land uses having the potential to attract hazardous wildlife to or in the vicinity of public-use airports.

**AIRPORT SAFETY**  
**OPERATIONS**  
**(RECOMMENDED**  
**TRAINING, STANDARDS,**  
**MANNING)**

**150/5210-2A**  
**Airport Emergency Medical Facilities**  
**and Services**  
**(1 1/27/84) (AAS-300)**  
Provides information and advice so that airports may take specific voluntary preplanning actions to assure at least minimum first-aid and medical readiness appropriate to the size of the airport in terms of permanent and transient personnel.

**150/5210-5B**  
**Painting, Marking, and lighting of**  
**Vehicles Used on an Airport**  
**(7/11/86) (AAS-120)**  
Provides guidance, specifications, and standards, in the interest of airport personnel safety and operational efficiency, for painting, marking, and lighting of

vehicles operating in the airport air operations areas.

**150/5210-6C**  
**Aircraft Fire and Rescue Facilities and**  
**Extinguishing Agents**  
**(1/28/85) (AAS-100)**  
Outlines scales of protection considered as the recommended level compared with the minimum level in Federal Aviation Regulation Part 139.49 and tells how these levels were established from test and experience data.

→ **150/5210-7C**  
**Aircraft Rescue and Firefighting**  
**Communications**  
**(7/1/99) (AAS-300)**  
Provides guidance for planning and implementing the airport Aircraft Rescue and Firefighting (ARFF) Communications Systems.

**150/5210-13A**  
**Water Rescue Plans, Facilities, and**  
**Equipment**  
**(5/31/91) (AAS-120)**  
Provides guidance to assist airport operators in preparing for water rescue operations.

**150/5210-14A**  
**Airport Fire and Rescue Personnel**  
**Protective Clothing**  
**(7/13/95) (AAS-100)**  
Identifies minimum standards for design, performance, testing, and safety of personnel protective equipment (PPE), frequently referred to as personnel protective clothing, for airport firefighting.

**150/5210-15**  
**Airport Rescue and Firefighting Station**  
**Building Design**  
**(7/30/87) (AAS-100)**  
Provides standards and guidance for planning, designing, and constructing and airport rescue and firefighting station.

**150/5210-17**  
**Programs for Training of Aircraft**  
**Rescue and Firefighting Personnel**  
**(3/9/94) (AAS-100)**  
Provides information on courses and reference materials for training of aircraft and firefighting (ARFF) personnel.

**150/5210-17, Chg. 1**  
**(4/6/95)**

Changed to reflect a new source for the FAA Standard Basic Aircraft Rescue and Firefighting Curriculum, and to update other sources of training programs.

**150/5210-17, Chg. 2  
(10/1/95) (AAS-100)**

Chapter 9 has been updated to reflect new course availability and new contact information for sources of training programs on aircraft rescue and firefighting.

**150/5210-18  
Systems for Interactive Training of  
Airport Personnel  
(4/13/94) (AAS-100)**

Provides guidance in the design of systems for interactive training of airport personnel.

**150/5210-19  
Driver's Enhanced Vision System  
(DEVS)  
(12/23/96) (AAS-100)**  
Contains performance standards,  
specifications, and recommendations for  
DEVS.

## AIRPORT SAFETY EQUIPMENT AND FACILITIES

**150/5220-4B  
Water Supply Systems for Aircraft Fire  
and Rescue Protection  
(7/29/92) (AAS-120)**  
Provides guidance for the selection of a  
water source and standards for the design  
of a distribution system to support aircraft  
rescue and firefighting (ARFF) service  
operations on airports.

**150/5220-9  
Aircraft Arresting System for Joint  
Civil/Military Airports  
(4/6/70) (AAS-300)**  
Updates existing policy and describes and  
illustrates the various types of military  
aircraft emergency arresting systems that  
are now installed at various joint  
civil/military airports. It also informs users  
of criteria concerning installations of such  
systems at joint civil/military airports.

**150/5220-10B  
Guide Specification for Water/Foam  
Aircraft Rescue and Firefighting  
Vehicles**

**(10/20/97) (AAS-100)**  
Provides new and additional guidance on  
selected topics; and provides clarification  
relating to the sponsor's selection of  
various options and subsystem components  
presented in the original AC.

**150/5220-13B  
Runway Surface Condition Sensor  
Specification Guide  
(3/27/91) (AAS-100)**  
Provides guidance to assist airport  
operators, consultants, and design  
engineers in the preparation of procurement  
specifications for sensor systems which  
monitor and report runway surface  
conditions.

→ **150/5220-16C  
Automated Weather Observing Systems  
(AWOS) for NonFederal Applications  
(12/13/99) (AUA-430)**  
Contains the FAA standard for nonFederal  
Automated Weather Observing Systems  
(AWOS)

**150/5220-17A  
Design Standards for an Aircraft Rescue  
and Firefighting Training Facility  
(1/31/92) (AAS-100)**  
Contains standards, specifications, and  
recommendations for the design of an  
aircraft rescue and firefighting training  
facility utilizing either propane or a  
flammable liquid hydrocarbon (FLH) as the  
fuel.

→ **150/5220-17A, Chg. 1  
(1 1/24/98) (AAS-100)**  
Incorporates Chapter 4, Mobile ARTFF  
Training Devices, which provides the  
standards, specifications, and  
recommendations for the design of mobile  
RFF training devices.

**150/5220-18  
Buildings For Storage and Maintenance  
of Airport Snow and Ice Control  
Equipment and Materials  
(10/15/92) (AAS-100)**  
Provides guidance for site selection, design  
and construction of buildings used to store  
and maintain airport snow and ice control  
equipment and materials.

**150/5220-19  
Guide Specification for Small Agent  
Aircraft Rescue and Fire Fighting  
Vehicles**

**(12/7/93) (AAS-120)**  
Contains performance standards,  
specifications, and recommendations for  
the design, construction, and testing of a  
family of small, dual agent aircraft rescue  
and fire fighting (ARFF) vehicles

**150/5220-20  
Airport Snow and Ice Control  
Equipment  
(6/30/92) (AAS-120)**  
Provides guidance to assist airport  
operators in the procurement of snow and  
ice control equipment for airport use.

**150/5220-20, Chg. 1  
(3/1/94)**

→ **150/5220-21B  
Guide Specifications for Devices Used to  
Board Airline Passengers With Mobility  
Impairments  
(3/17/00) (AAS-100)**  
Contains performance standards,  
specifications, and recommendations for  
the design, construction, and testing of  
portable devices used in the boarding of  
airline passengers with mobility  
impairments.

→ **150/5220-22  
Engineered Materials Arresting Systems  
(EMAS) for Aircraft Overruns  
(8/21/98)(AAS-100)**  
Contains standards for the planning,  
design, and installation of Engineered  
Materials Arresting Systems in runway  
safety areas. Engineered materials means  
high energy absorbing materials of selected  
strength, which will predictably crush  
under the weight of an aircraft.

**150/5230-4  
Aircraft Fuel Storage, Handling, and  
Dispensing On Airports (Consolidated  
reprint includes Changes 1 and 2).  
(8/27/82) (AAS-300)**  
Provides information on aviation fuel  
deliveries to airport storage and the  
handling, cleaning, and dispensing of fuel  
into aircraft.

**150/5320-5B  
Airport Drainage  
(7/1/70) (AAS-200)**  
Provides guidance for engineers, airport  
managers, and the public in the design and  
maintenance of airport drainage systems.  
SN 050-007-00149-5.

\$5.50 Supt. Docs.

**150/5320-6D**

**Airport Pavement Design and Evaluation**

**(7/7/95) (AAS-200)**

Provides guidance to the public for the design and evaluation of pavement at civil airports.

**150/5320-6D, Chg. 1**

**(1/30/96) (AAS-200)**

Corrects an error in the graph for Figure 2-4.

**150/5320-12C**

**Measurement, Construction, and Maintenance of Skid Resistant Airport Pavement Surfaces**

**(3/18/97) (AAS-100)**

Contains guidelines and procedures for the design and construction of skid-resistant pavement; pavement evaluation, without or with friction equipment; and maintenance of high skid-resistant pavements.

**150/5320-14**

**Airport Landscaping for Noise Control Purposes**

**(1/31/78) (APP-400)**

Provides guidance to airport planners and operators in the use of tree and vegetation screens in and around airports.

**150/5320-15**

**Management of Airport Industrial Waste**

**(2/11/91) (AAS-100)**

Provides basic information on the characteristics, management, and regulations of industrial wastes generated at airports.

**150/5320-15, Chg. 1**

**(4/22/97) (AAS-100)**

Provides guidance on best management practices to eliminate, prevent, or reduce pollutants in storm water runoff associated with airport industrial activities.

**150/5320-16**

**Airport Pavement Design for the Boeing 777 Airplane**

**(10/22/95) (AAS-200)**

Provides thickness design standards for pavements intended to serve the Boeing 777 airplane.

**DESIGN CONSTRUCTION,  
AND MAINTENANCE—  
GENERAL**

**150/5300-7B**

**FAA Policy on Facility Relocations Occasioned by Airport Improvements or Changes**

**(11/8/72) (ABU-10)**

Reaffirms the aviation community of the FAA policy governing responsibility for funding relocation, replacement and modification to air traffic control and air navigation facilities that are made necessary by improvements or changes to the airport.

**150/5300-9A**

**Predesign, Prebid, and Preconstruction Conferences for Airport Grant Projects**

**(5/1/85) (AAS-200)**

Provides guidance for conducting predesign, prebid, and preconstruction conferences for projects funded under the FAA airport grant program.

**150/5300-1 1**

**Announcement of Availability Report No. FAA-AAS-80-1, National Runway Friction Measurement Program**

**(4/21/81) (AAS-200)**

Announces the availability of the National Runway Friction Measurement Program Final Report.

**150/5300-13**

**Airport Design (Consolidated reprint includes Changes 1 thru 5).**

**(5/11/98) (AAS-110)**

Contains the FAA's standards and recommendations for airport design.  
SN 050-007-01208-0  
\$26.00 Supt. Docs.

**150/5300-14**

**Design of Aircraft Deicing Facilities**

**(8/23/93) (AAS-100)**

Provides standards, specifications, and guidance for designing aircraft deicing facilities.

**→150/5300-14, Chg. 1**

**(8/13/99) (AAS-100)**

Updates the definition of aircraft deicing facilities and holdover times of fluids, design criteria for aircraft de/anti-icing fluid storage and transfer systems, information concerning recycling of glycols, and references.

**INFLUENCE OF AIRCRAFT  
PERFORMANCE ON  
AIRCRAFT DESIGN**

**150/5325-4A**

**Runway Length Requirements for Airport Design (Consolidated reprint includes Change 1 dtd 3-11-91).**

**(1/29/90) (AAS-110)**

Provides design standards and guidelines for determining recommended runway lengths.

**150/5335-5**

**Standardized Method of Reporting Airport Pavement Strength PCN**

**(6/15/83) (AAS-200)**

Provides guidance for using the standardized International Civil Aviation Organization (ICAO) method to report airport pavement strength. The standardized method is known as the ACN/PCN method.

**150/5335-S, Chg. 1**

**(3/6/87)**

**→150/5340-1H**

**Standards for Airport Markings**

**(8/31/99) (AAS-300)**

Contains the Federal Aviation Administration (FAA) standards for markings used on airport runways, taxiways, and aprons.

**150/5340-4C**

**Installation Details for Runway Centerline Touchdown Zone Lighting Systems (Consolidated reprint includes Changes 1 and 2).**

**(5/6/75) (AAS-200)**

Describes standards for the design and installation of runway centerline and touchdown zone lighting systems.

**150/5340-5B**

**Segmented Circle Airport Marker System (Consolidated reprint includes Change 1).**

**(12/21/84) (AAS-200)**

Sets forth standards for a system of airport marking consisting of certain pilot aids and traffic control devices.

**150/5340-14B**

**Economy Approach Lighting Aids (Consolidated reprint includes Changes 1 and 2).**

**(6/19/70) (AAS-200)**

Describes standards for the design selection, siting, and maintenance of economy approach lighting aids.

→ **150/5340-14B, Chg. 3**  
**(1/26/99) (AAS-200)**

Updates the location and height requirements for runway end identifier lights (REILS).

**150/5340-17B**

**Standby Power for Non-FAA Airport Lighting Systems**  
**(1/6/86) (AAS-200)**

Describes standards for the design, installation, and maintenance of standby power for nonagency owned airport visual aids associated with the National Airspace System (NAS) and the national system of airports.

**150/5340-18C**

**Standards for Airport Sign Systems**  
**(Consolidated Reprint Incorporates Change 1)**

**(7/31/91) (AAS-300)**

Contains the Federal Aviation Administration standards for the siting and installation of signs on airport runways and taxiways.

**150/5340-21**

**Airport Miscellaneous Lighting Visual Aids**

**(3/25/71) (AAS-200)**

Describes standards for the system design, installation, inspection, testing, and maintenance of airport miscellaneous visual aids; i.e., airport beacons, beacon towers, wind cones, wind tees, and obstruction lights.

**150/5340-23B**

**Supplemental Wind Cones**

**(5/11/90) (AAS-200)**

Describes criteria for the location and performance of supplemental wind cones.

15015340-24

**Runway and Taxiway Edge Lighting System (Consolidated reprint includes Change 1).**

**(9/3/75) (AAS-200)**

Describes standards for the design, installation, and maintenance of runway and taxiway edge lighting.

**150/5340-26**

**Maintenance of Airport Visual Aid Facilities (Spanish Language Version Available).**

**(8/26/82) (AAS-200)**

Provides recommended guidelines for maintenance of airport visual aid facilities.

**150/5340-26**

**Mantenimiento de Ayudas Visuales de Aeropuertos**

**(8/26/82) (AAS-200)**

Spanish Version

**150/5340-27A**

**Air-to-Ground Radio Control of Airport Lighting Systems**

**(3/4/86) (AAS-200)**

Contains the FAA standard operating configurations for air-to-ground radio control of airport lighting systems.

→ **150/5340-28**

**Low Visibility Taxiway**

**(9/1/98) (AAS-200)**

Describes the standards for design, installation, and maintenance of low visibility taxiway lighting systems, including taxiway centerline lights, stop bars, runway guard lights, and clearance bars.

→ **150/5340-29**

**Installation Details for Land and Hold Short Lighting Systems**

**(12/30/99) (AAS-200)**

Contains the FAA's standard for the design and installation of land and hold short lighting systems.

**150/5345-1V**

**Approved Airport Equipment**

**(6/6/97) (AAS-200)**

Cancels AC 150/5345-1U, Approved Airport Equipment dated 2/20/89, and directs replacement of any reference of AC 150/5345-1 with AC 150/5345-53, Airport Lighting Equipment Certification Program.

→ **1501534533**

**Specification for L-821 Panels for Control to Airport Lighting**

**(9/1/98) (AAS-200)**

Provides the specification requirements for panels used for remote control of airport lighting and auxiliary systems.

**150/5345-5A**

**Circuit Selector Switch**

**(3/23/82) (AAS-200)**

This advisory circular contains a specification for a circuit selector switch for use in airport lighting circuits.

**150/5345-7D**

**Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits (Consolidated reprint includes Change 1).**

**(5/19/81) (AAS-200)**

Describes the specification requirements for L-824 electrical cables.

**150/5345-10E**

**Specification for Constant Current Regulators Regulator Monitors**  
**(10/16/84) (AAS-200)**

Contains a specification for constant current regulators used on airport lighting circuits, and for a monitor that reports on the status of the regulator.

**150/5345-12C**

**Specification for Airport and Heliport Beacon**

**(1/9/84) (AAS-200)**

Contains equipment specifications for light beacons which are used to locate and identify civil airports, seaplane bases, and heliports.

**150/5345-13A**

**Specification for L-841 Auxiliary Relay Cabinet Assembly for Pilot Control of Airport Lighting Circuits**

**(8/8/86) (AAS-200)**

Contains the specification requirements for a relay cabinet used to control airfield lighting circuits. The L-841 consists of an enclosure containing a DC power supply, control circuit protection and 20 pilot relays.

→ **150/5345-26C**

**Specification for L-823, Plug and Receptacle, Cable Connectors**

**(4/17/00) (AAS-200)**

Contains the specification for plug and receptacle (cable connectors) used with underground power cables, isolation transformer leads, and light fixture leads for airport lighting systems.

**150/5345-27C**

**Specification for Wind Cone Assemblies**  
**(7/19/85) (AAS-200)**

Contains a specification for wind cone assemblies to be used to provide wind information to pilots of aircraft.

**150/5345-28D**

**Precision Approach Path Indicator Systems (PAPI) (Consolidated reprint includes Change 1)**

**(1/3/91) (AAS-200)**

Describes the specification requirements for precision approach path indicator (PAPI) and abbreviated precision approach path indicator (A-PAPI) equipment and accessories.

**150/5345-39B**

**FAA Specification L-853, Runway and Taxiway Centerline Retroreflective Markers (Consolidated reprint includes Change 1).**

**(12/9/80) (AAS-200)**

Describes specification requirements for L-853 Runway and Taxiway Retroreflective markers, for the guidance of the public.

**150/5345-42C**

**Specification for Airport Light Bases, Transformer Houses, Junction Boxes and Accessories (Consolidated Reprint includes Change 1)**

**(6/8/89) (AAS-200)**

Contains specification for containers designed to serve as airport light bases, transformer housings, junction boxes and related accessories.

**150/5345-43E**

**Specification for Obstruction Lighting Equipment**

**(10/19/95) (AAS-200)**

Contains FAA specification for obstruction lighting equipment.

**150/5345-44F**

**Specification for Taxiway and Runway Signs (Consolidated reprint includes change 1)**

**(1/5/94) (AAS-200)**

Contains a specification for lighted and unlighted signs to be used on taxiways and runways.

**150/5345-45A**

**Lightweight Approach Light Structure (12/9/87) (AAS-200)**

Presents the specifications for lightweight structures for supporting lights as used in visual navigational aid systems.

**→ 150/5345-46B**

**Specification for Runway and Taxiway**

**Light Fixtures**

**(9/1/98) (AAS-200)**

Contains specifications for light fixtures to be used on airport runways and taxiways.

**150/5345-47A**

**Isolation Transformers for Airport**

**Lighting Systems**

**(12/9/87) (AAS-200)**

Contains the specifications requirements for series-to-series isolation transformers for use in airport lighting systems.

**150/5345-49A**

**Specification L-854, Radio Control Equipment**

**(8/8/86) (AAS-200)**

Contains the specification for radio control equipment to be used for controlling airport lighting facilities.

**150/5345-50**

**Specification for Portable Runway Lights (Consolidated reprint includes Change 1).**

**(10/16/78) (AAS-200)**

Contains a specification for a battery operated light unit to be used to outline a runway area temporarily.

**150/5345-51**

**Specification for Discharge-Type Flasher Equipment (Consolidated reprint includes Change 1).**

**(8/14/81) (AAS-200)**

Contains the specifications for discharge-type flashing light equipment to be used for runway and identification lights (REIL) and for an omnidirectional approach lighting system (ODALS).

**150/5345-52**

**Generic Visual Glideslope Indicators (GVGI)**

**(6/21/88) (AAS-200)**

Contains the FAA standards for generic visual glideslope indicators systems. GVGI systems provide pilots with visual glideslope guidance during approaches for landing at general aviation airports.

**→ 150/5345-53B**

**Airport Lighting Equipment Certification Program**

**(10/23/98) (AAS-200)**

Describes the Airport Lighting Equipment Certification Program (ALECP).

**+ 150/5345-54**

**Specification for L-1884 Power and Control Unit for Land and Hold Short (4/29/99) (AAS-200)**

Contains the FAA standards for power and control units for Land and Hold Short Lighting Systems.

**150/5360-8B**

**Announcement of Availability of Information on Foreign Airport Planning, Design, Construction, and Trade Opportunities (6/26/97) (AAS-102)**

Provides information on trade opportunity programs and publications relating to foreign airport planning, design, and construction.

**150/5360-9**

**Planning and Design of Airport Terminal Facilities at Non-Hub Locations**

**(4/4/80) (AAS-100)**

This advisory circular provides guidance material for the planning and design of airport terminal buildings at non-hub locations,

**150/5360-10**

**Announcement of Availability--Airport Landslide Simulation Model (ALSIM) (4/24/84) (AAS-3)**

Announces the availability and describes some of the features of a dynamic simulation computer model for use by airport planners, designers, and operators in evaluating and comparing the effectiveness of alternative airport terminal and landslide configurations and facilities.

**150/5360-11**

**Energy Conservation for Airport Buildings**

**(5/31/84) (AAS-200)**

Provides guidance for promoting energy conservation in the design and operation of airport buildings; for initiating energy conservation programs; and for conducting airport building energy assessments.

**→ 150/5360-12B**

**Airport Signing and Graphics (3/5/99) (AAS-100)**

Provides guidance on airport related signs and graphics.

**150/5360-13**

**Planning and Design Guidelines for Airport Terminal Facilities****(4/22/88) (AAS-100)**

Provides guidelines for the planning and design of airport terminal buildings and related access facilities.

**150/5360-13, Chg. 1****(1/19/94) (AAS-100)****150/5370-2C****Operational Safety on Airports During Construction****(5/31/84) (AAS-300)**

Concurring operational safety on airports with special emphasis on safety during periods of construction activity, to assist airport operators in complying with Part 139.

**150/5370-6B****Construction Progress and Inspection Report-Airports Grant Program****(8/7/89) (AAS-200)**

Provides guidance for submission of a report on construction progress of Airport Development Aid Program (ADAP) projects.

**→ 150/5360-14****Access to Airports by Individuals with Disabilities (6/30/99) (AAS-100)**

Assists airports in complying with the current laws and regulations regarding individuals with disabilities.

**150/5370-10A****Standards for Specifying Construction of Airports****(2/17/89) (AAS-200)**

Provides standards for construction of airports. Items covered include earthwork, drainage, paving, turfing, lighting, and incidental construction.

SN 050-007-00821-0.

\$26.00 Supt. Docs.

**150/5370-10A, Chg. 1****(6/15/90)**

Revised Item P-501, Portland Cement Concrete Pavement, to reflect the use of cementitious materials and chemical admixtures.

**150/5370-10A, Chg. 2****(11/2/90)**

Revised Items P-155, D-701, D-705, D-75 1, and F-162, have been revised to

reflect changes in material specifications and new materials.

**150/5370-10A, Chg. 3****(1/9/91)**

Revised Item P-625, Coal-Tar Emulsion Sealcoat, is withdrawn.

**150/5370-10A, Chg. 4****(7/7/92) (AAS-200)**

Revised Item P-401, Plant Mix Bituminous Pavements to incorporate quality assurance provisions.

**150/5370-10A, Chg. 5****(4/2/93) (AAS-200)**

Revises Table 2 and deletes requirement for voids filled with asphalt.

**150/5370-10A, Chg. 6****(1/25/94) (AAS-200)**

Adds Section 100 and 110 to the General Provisions of the AC. The Notice to Users, Notice, and Item P-401 have been revised.

**150/5370-10A, Chg. 7****(5/20/94) (AAS-200)**

Item P-501, Portland Cement Concrete, has been revised to incorporate quality assurance provisions. Pay incentives have been added when strength exceeds design and acceptance requirements.

**150/5370-10A, Chg. 8****(7/6/94)**

Revised Item F-162, Chain Link Fences, to incorporate new materials.

**150/5370-10A, Chg. 9****(9/10/96) (AAS-200)**

Item P-620, Runway and Taxiway Painting, has been revised to specify waterborne, epoxy, methacrylate, and solvent based paints. Glass beads and silica sand have been given additional emphasis to increase conspicuity and friction characteristics of markings. SN 050-007-008210 \$23.00

**→ 150/5370-10A, Chg. 10****(3/11/99) (AAS-200)**

Clarifies PWL concepts and explains the degree of uncertainty (risk) associated with acceptance plans when small fractions of material are used to evaluate a day's production and informs the contractor, as a result, that production quality must be consistently equal to or higher than the lot

acceptance criteria to consistently offset his/her risk.

**→ 150/5370-10A, Chg. 11****(5/20/99) (AAS-200)**

Item P-626 Emulsified Asphalt Slurry Seal Surface Treatment has been revised to incorporate recent changes in material specifications, new materials, and construction practices for slurry seals.

**→ 150/5370-10A, Chg. 12****(2/22/99) (AAS-200)**

Item P-620 Runway and Taxiway Painting has been revised to clarify AIP and PFC funded project requirements for drop-on glass beads in paint to improve conspicuity and friction characteristics, make minor technical corrections, and add tolerances to dimensions and spacings of markings.

**150/5370-1****Use of Nondestructive Testing Devices in the Evaluation of Airport Pavements (Consolidated reprint includes Change 1).****(6/4/76) (AAS-200)**

Provides guidance to the public on the use of nondestructive testing devices as aids in the evaluation of the load-carrying capacity of airport pavements.

**150/5370-12****Quality Control of Construction for Airport Grant Projects****(9/6/85) (AAS-200)**

Provides information to ensure the quality of construction accomplished under the FAA Airports grant program.

**150/5370-13****Offpeak Construction of Airport Pavements Using Hot-Mix Asphalt****(8/27/90) (AAS-200)**

Provides guidance for the planning, coordination, management, design, testing, inspection, and execution of offpeak construction of airport pavements using hot mix asphalt paving materials.

**150/5370-14****Hot Mix Asphalt Paving Handbook (10/15/91) (AAS-200)**

Provides guidance on asphalt paving operations including plant operations, transportation of materials, surface preparation, laydown and compaction. SN 050-007-00925-9.

\$17.00 Supt. Docs.

**150/5380-5B**

**Debris Hazards at Civil Airports  
(7/5/96) (AAS-100)**

Discusses problems of debris at airports, gives information on foreign objects, and tells how to eliminate such objects from operational areas.

**150/5380-6**

**Guidelines and Procedures for  
Maintenance of Airport Pavements  
(12/3/82) (AAS-200)**

Provides guidelines and procedures for maintenance of rigid and flexible airport pavements.

SN 050-007-00627-6.

\$10.00 Supt. Docs.

**150/5380-7**

**Pavement Management System  
(9/28/88) (AAS-200)**

Presents the concepts of a Pavement Management System, discusses the essential components of such a system, and outlines how it can be used in making cost-effective decisions regarding pavement maintenance and rehabilitation.

**150/5390-2A**

**Heliport Design  
(1/20/94) (AAS-100)**

Provides recommendations and standards for heliport and helistop design.

**150/5390-3**

**Vertiport Design  
(5/31/91) (AAS-100)**

Provides guidance to planners and communities interested in developing a civil vertiport or vertistop.

**150/5395-1**

**Seaplane Bases  
(6/29/94) (AAS-100)**

Provides guidance to assist operators in planning, designing, and constructing seaplane base facilities.

**170-6C**

**Use of Radionavigation Land Test  
Station and Signal Generators  
(2/13/81) (ASM-500)**

Gives information as to the frequencies on which the FAA will authorize and the FCC will license radionavigation land test stations. It also discusses the interference potential of signal generators operating in

aeronautical bands of the radio spectrum and how this interference can be alleviated.

**170-9**

**Criteria for Acceptance of Ownership  
and Servicing of Civil Aviation  
Interest(s) Navigational and Air Traffic  
Control Systems and Equipment  
(1 1/26/68) (ASM-500)**

Contains a revised FAA policy under which the FAA accepts conditional ownership of equipment and systems from civil aviation interests, without the use of Federal funds, and operates, maintains, and provides the logistic support of such equipment.

**170-11**

**Amendment of Federal Aviation  
Regulation Part 171 (FAR-171) Cost of  
Flight and Ground Inspections  
(9/17/70) (ASM-500)**

Alerts the public to the amendment to FAR Part 171 pertaining to the payment of ground and flight inspection charges prior to the issuance of an approved IFR procedure.

**170-13**

**Approach Lighting System  
Configurations and Energy  
Conservation  
(9/6/77) (APS-440)**

Advises interested persons of the agency's plan for the next several years to improve federally owned approach light systems installed on instrument approach runways by adding low-impact resistance structures and reducing energy consumption.

**170-14**

**Implementation of 50 kHz/Y Channels  
for ILS/VOR/DME  
(7/30/92) (ASM-500)**

Advises aircraft owners, operators, and radio equipment manufacturers of the FAA's continued implementation of 50 kHz/Y or Omnidirectional Range (VOR) frequency assignments.

**ADMINISTRATIVE  
Subject No. 180**

**→ 183-32J**

**Certificated Technical Personnel  
Examiners Directory  
(7/13/99) (AFS-640)**

Transmits a consolidated directory of FAA Certificated Technical Personnel Examiners, current as of June 7, 1999, under the authority of Federal Aviation Regulation Part 183.

**→ 183-35H**

**Airworthiness Designee Function Codes  
and Consolidated Directory for  
DMIR/DAR/ODAR/DAS/DOA and  
SFAR No. 36 (9/21/98) (AFS-640)**

Contains information concerning designee application, authorized functions, and initial and subsequent certificates of authority for DMIR/DAR/ODAR /DAS/DOA and SFAR No. 36.

**→ 183.29-1HH**

**Designated Engineering Representatives  
(3/1/00) (AFS-610)**

Directory of Designated Engineering Representatives available for consulting work. Available electronically at internet site <http://av-info.faa.gov>.

**187-1**

**Flight Standards Service Schedule of  
Charges Outside the United States  
(3/31/95) (AFS-50)**

Transmits a schedule of charges for services of FAA Flight Standards aviation safety inspectors outside the U.S. The methodology for determining these charges and the initial charges developed by this methodology were established by rulemaking action to FAR Part 187, Docket No. 27809; Notice No. 94-24, Fees for Certification Services and Approvals Performed Outside the United States.

**187-2**

**Aircraft Certification Service Fees for  
Providing Production Certification-  
Related Services Outside  
(3/11/98) (AIR-230)**

Provides information concerning applications and fees for production certification-related services provided outside the United States by Federal Aviation Administration (FAA) Aircraft



Certification Service personnel. This AC provides a means of compliance with Title 14 Code of Federal Regulations (CFR) part 197, Fees (part 187), Appendix C, Fees for Providing Production Certification-Related Services Outside the United States.

## **FINANCIAL RESPONSIBILITY FOR LICENSED LAUNCH ACTIVITIES Subject No. 440**

### **FLIGHT INFORMATION Subject No. 210**

#### **210-5B**

##### **Military Flying Activities**

**(8/8/90) (ATM-400)**

Provides information about military flying activities in the National Airspace System, describes the various types of routes and areas allocated for this purpose, and explains how information on the location and status of these routes and areas can be obtained.

#### **211-2**

##### **Recommended Standards for IFR**

##### **Aeronautical Charts**

**(3/20/67) (ATP-250)**

Sets forth standards recommended by the Federal Aviation Administration for the guidance of the public in the issuance of IFR aeronautical charts for use in the National Airspace System (NAS).

#### **→ 440-1, Part 440 Insurance Conditions (11/3/98) (AGC-250)**

Describes how insurance policies obtained by licensees to meet the requirements of 14 CFR Part 440 may satisfy certain conditions of coverage.

### **APPLICATIONS Subject No. 413**

#### **→ 413-1**

##### **Licensing Application Procedures**

**(8/16/99) (AST-6)**

Provides guidance to license applicants on the procedural aspects of the application process. These procedures apply to all applicants whether for a license to launch a launch vehicle, to reenter a reentry vehicle, or to operate a launch or reentry site.



## APPENDIX 4

## FAA PUBLICATIONS SOLD BY GPO

## Stock Numbers

Superintendent of Documents stock numbers (SN) have been included to aid personnel in processing orders. Please use them when ordering-along with the title and FAA publication number. To avoid unnecessary delays, do not order single-sales material and subscription sales material on the same order form as orders are separated for processing by different departments when they arrive at Superintendent of Documents. Be sure your name and address appear on each list.

## Prices

Prices shown were in effect on the date indicated on this list. Government documents prices are subject to change without prior notice, therefore the price in effect when your order is processed will be the price charged for each publication ordered.

Make check or money order in the amount listed to Superintendent of Documents. Mail it with the exact title and stock number of the publications you are ordering to: *Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954*. GPO operates U.S. Government bookstores all around the country. For your convenience, a list of these bookstores is shown in this appendix. Both the commercial and FAX telephone numbers are listed after each address. All GPO bookstores accept VISA, MASTERCARD, and Superintendent of Documents deposit account orders.

**00-6A**

**Aviation Weather**  
(3/3/75) (AFS-400)  
SN 050-007-00283-1.  
\$13.00 Supt. Docs.

**00-45D**

**Aviation Weather Services**  
(2/7/95) (AFS-400)  
SN 050-007-O 1082-6  
\$14.00 Supt. Docs.

→ **00-60**

**North American Free Trade Agreement & Specialty Air Services Operations**  
(1 1/9/99) (AFS-805)  
SN 050-007-01281-1  
\$2.50 Supt. Docs.

**20-36S**

**Index of Articles (Materials, Parts, Processes and Appliances) Certified Under the Technical Standard Order System**  
(9/1/93) (AFS-613)  
SN 050-007-O 1024-9.  
\$45.00 Supt. Docs.

**20-88A**

**Guidelines on the Marking of Aircraft Powerplant Instruments (Displays),**  
(9/30/85) (ANM-112)  
SN 050-007-00683-7.  
\$1.50 Supt. Docs.

**20-101C**

**Airworthiness Approval of Omega/VLF Navigation Systems for the United States NAS and Alaska**  
(9/12/88) (ACE-130W/AIR-120)  
SN 050-007-00887-2.  
\$1.50 Supt. Docs.

**20-106**

**Aircraft Inspection for the General Aviation Aircraft Owner**  
(4/1/78) (AFS-340)  
SN 050-007-00449-4.  
\$5.00 Supt. Docs.

**21-6A**

**Production Under Type Certificate Only**  
(7/1/82) (AIR-200)  
SN 050-007-00636-5.  
\$1.75 Supt. Docs.

**21-17**

**Carriage of Cargo in Restricted Category Aircraft and Other Special Purpose Operations**  
(3/15/82) (AIR-200)  
SN 050-007-00638-1.  
\$1.75 Supt. Docs.

**21-18**

**Bilateral Airworthiness Agreements**  
(8/20/82) (AIR- 110)  
SN 050-007-006 14-4.  
\$7.00 Supt. Docs.

**23-8A**

**Flight Test Guide for Certification of Part 23 Airplanes**  
(2/9/89) (ACE- 111)  
SN 050-007-00817-1  
\$18.00 Supt. Docs.

**23-8A, Chg. 1**

(8/30/93)  
SN 050-007-01013-3  
\$8.50 Supt. Docs.

→ **23-16**

**Powerplant Guide for Certification in Part 23 Airplanes**  
(9/21/99) (ACE-1 11)

SN 050-007-01285-3  
\$14.00 Supt. Docs.

→ 23-17

**Systems and Equipment Guide For  
Certification of Part 23 Airplanes**  
(4/25/00) (ACE-100)  
SN 050-007-01287-O  
\$21.00 Supt. Docs.

→ 23-27

**Systems and Equipment Guide for  
Certification of Part 23 Airplanes**  
(4/25/00) (ACE-100)  
SN 050-007-01287-O  
\$21.00 Supt. Docs.

25-7A

**Flight Test Guide for Certification  
of Transport Category Airplanes**  
(3/3 1/98) (ANM-111)  
SN 050-007-01214-4.  
\$33.00 Supt. Docs.

25-8

**Auxiliary Fuel System Installations**  
(5/2/86) (ANM-112)  
SN 050-007-00741-8.  
\$4.00 Supt. Docs.

25-17

**Transport Airplane Cabin Interiors  
Crashworthiness Handbook**  
(7/15/91) (ANM-114)  
SN 050-007-00915-1.  
\$16.00 Supt. Docs.

→ 27-1B

**Certification of Normal Category  
Rotorcraft**  
(9/30/99) (ASW-110)  
SN 050-007-01186-5.  
\$57.00 Supt. Docs.

→ 29-2C

**Certification of Transport  
Category Rotorcraft**  
(9/30/99) (ASW-110)  
SN 050-007-01187-3.  
\$67.00 Supt. Docs.

43-3

**Nondestructive Testing in Aircraft**  
(5/1 1/73) (AFS-330)  
SN 5007-00208-4.

A4-2

\$5.00 Supt. Docs.

43-4A

**Corrosion Control for Aircraft**  
(7/25/91) (AFS-340)  
SN 050-007-01044-3.  
\$13.00 Supt. Docs.

43-7

**Ultrasonic Testing for Aircraft**  
(9/24/74) (AFS-310)  
SN 050-007-00282-3.  
\$1.75 Supt. Docs.

43-16A

**Aviation Maintenance Alerts**  
(9/3/99) (AFS-640)  
SN 750-078-00000-1  
Sub. \$29.00 domestic, \$36.25 foreign  
Single copy \$3.25 domestic, \$4.06  
foreign-Supt. Docs.

43.13-1B

**Acceptable Methods, Techniques  
and Practices Aircraft Inspection  
and Repair (with Errata Sheet)**  
(9/8/98) (AFS-610)  
SN 050-007-01227-6.  
\$24.00 Supt. Docs.

43.13-2A

**Acceptable Methods, Techniques,  
and Practices Aircraft Alterations  
(Includes Chg. 1).**  
(6/9/77) (AFS-340)  
SN 050-007-00625-0.  
\$10.00 Supt. Docs.

43.13-2A, Chg. 2

(10/30/89)  
SN 050-007-00848-1.  
\$1.00 Supt. Docs.

61-9B

**Pilot Transition Courses for  
Complex Single Engine and Light,  
Twin-Engine Airplanes**  
(1/15/74) (AFS-630)  
SN 050-007-00226-2.  
\$3.50 Supt. Docs.

61-10A

**Private and Commercial Pilots  
Refresher Courses**  
(9/27/72) (AFS-630)

SN 050-01 1-00060-7.  
\$3.75 Supt. Docs.

61-23C

**Pilot's Handbook of Aeronautical  
Knowledge**  
(7/10/97) (AFS-630)  
SN 050-01 1-00078-0.  
\$15.00 Supt. Docs.

61-27C

**Instrument Flying Handbook  
(Rev 1980).**  
(1 1/5/79) (AFS-630)  
SN 050-007-00585-7.  
\$13.00 Supt. Docs.

65-2D

**Airframe and Powerplant  
Mechanics Certification Guide**  
(1/30/76) (AFS-640)  
SN 050-007-00331-5.  
\$8.50 Supt. Docs.

65-5B

**Parachute Rigger Senior/  
Master-certification Guide**  
(7/25/88) (AFS-630)  
SN 050-007-00805-8.  
\$1.75 Supt. Docs.

65-9A

**Airframe and Powerplant  
Mechanics-General Handbook**  
(4/12/76) (AFS-640)  
SN 050-007-00379-O.  
\$45.00 Supt. Docs.

65-9A, Chg. 1

(6/1 6/99) (AFS-640)  
SN 050-007-O 1255-1  
\$1.25 Supt. Docs.

65-11B

**Airframe and Powerplant  
Mechanics Certification  
Information**  
(4/17/87) (AFS-340)  
SN 050-007-00750-7.  
\$1.25 Supt. Docs.

65-12A

**Airframe and Powerplant  
Mechanics Powerplant Handbook**  
(4/12/76) (AFS-640)

6/15/00

AC 00-2.13  
Appendix 4

SN 050-007-00373-1.  
\$26.00 Supt. Docs.

**65-133**

**FAA Inspection Authorization Directory**  
(3/12/99) (AFS-640)  
SN 050-007-01250-1.  
\$26.00 Supt. Docs.

**65-15A**

**Airframe and Powerplant Mechanics Airframe Handbook**  
(4/12/76) (AFS-640)  
SN 050-007-0039 1-9.  
\$53.00 Supt. Docs.

**90-89A**

**Amateur-Built Aircraft Flight Testing Handbook**  
(5/24/95) (AFS-340)  
SN 050-007-O 1087-7  
\$7.50 Supt. Docs.

**91-70**

**Oceanic Operations, An Authoritative Guide to Oceanic Operations**  
(9/6/94) (AFS-400)  
050-007-01 08 1-8  
\$17.00 Supt. Docs.

**91.11-1**

**Guide to Drug Hazards in Aviation Medicine**  
(7/19/63) (AAM-620)  
SN 050-009-0000 1-7.  
\$5.50 Supt. Docs.

**108-1**

**Air Carrier Security**  
(10/16/81) (ACS-3)  
SN 050-007-00642-O.  
\$3.75 Supt. Docs.

**109-1**

**Aviation Security-Acceptance and Handling Procedures Indirect Air Carrier Security**  
(3/3/82) (ACS- 100)  
SN 050-007-00643-8.  
\$2.50 Supt. Docs.

**129-3**

**Foreign Air Carrier**  
(6/10/82) (ACS-120)

SN 050-007-00641-1.  
\$2.50 Supt. Docs.

**135-13G**

**FAA Certificated Air Carriers Directory**  
(6/16/99) (AFS-640)  
SN 050-007-01267-5.  
\$10.00 Supt. Docs.

**140-2BB**

**FAA Certificated Pilot Schools Directory**  
(6/16/99) (AFS-640)  
SN 050-007-O 1142-3  
\$2.50 Supt. Docs.

**140-7J**

**FAA Certificated Repair Stations Directory**  
(7/13/99) (AFS-640)  
SN 050-007-O 1269- 1.  
\$14.00 Supt. Docs.

**150/5050-3B**

**Planning the State Aviation System**  
(1/6/89) (APP-400)  
SN 050-007-00813-9.  
\$6.00 Supt. Docs.

**150/5070-5**

**Planning the Metropolitan Airport System**  
(5/22/70) (APP-400)  
SN 050-008-00003-7.  
\$8.00 Supt. Docs.

**150/5070-6A**

**Airport Master Plans**  
(6/1/85) (APP-400)  
SN 050-007-00703-5.  
\$5.50 Supt. Docs.

**150/5300-13**

**Airport Design (Consolidated reprint includes changes 1 thru 5).**  
(5/1 1198) (AAS-1 10)  
SN 050-007-O 1208-O  
\$26.00 Supt. Docs.

**150/5320-5B**

**Airport Drainage**  
(7/1/70) (AAS-200)  
SN 050-007-00149-5.  
\$5.50 Supt. Docs.

**150/5370-10A**

**Standards for Specifying Construction of Airports**  
(9/10/96) (AAS-200)  
SN 050-007-0082 1-O.  
\$26.00 Supt. Docs.

**150/5370-14**

**Hot Mix Asphalt Paving Handbook**  
(10/15/91) (AAS-200)  
SN 050-007-00925-9.  
\$20.00 Supt. Docs.

**150/5380-6**

**Guidelines and Procedures for Maintenance of Airport Pavements**  
(12/3/82) (AAS-200)  
SN 050-007-00627-6.  
\$10.00 Supt. Docs.

**INTERNAL PUBLICATIONS**

**Air Traffic Control Handbook, 7110.65M (2/24/00).**

Prescribes air traffic control procedures and phraseology for use by personnel providing air traffic control services. Controllers are required to be familiar with the provisions of this handbook which pertain to their operational responsibility and to exercise their best judgment if they encounter situations not covered by it. (ATP-211)  
SN 950-002-00000-0  
(Sub. \$74.00 domestic, \$92.50 foreign-Supt. Docs.)

**Contractions, 7340.18 (8-13-98).**

Contains approved word and phrase contractions used by personnel of FAA. It is also used by other agencies that provide air traffic control, communications, weather, charting, and associated services. (ATA- 110.4).  
SN 950-003-00000-6  
(Sub. \$70.00 domestic, \$87.50 foreign-Supt. Docs.)

**Flight Services, 7110.10N (1999).**

Prescribes procedures and phraseology for use by personnel

providing flight assistance services.  
(ATA-10).

SN 950-032-00000-6  
(Sub. \$52.00 domestic, \$65.00  
foreign-Supt. Docs.)

→ **Location Identifiers, 7350.7**  
(2-4-00).

Lists location identifiers authorized  
by the Federal Aviation  
Administration and Transport  
Canada. Also lists United States  
airspace fixes and procedure codes  
and includes guidelines for requesting  
identifiers and procedures for making  
assignments. Subscription service  
consists of three basic manuals issued  
every 112 days and one change per  
basic (issued 56 days after issuance  
basic). Effective date will coincide  
with aeronautical charting date.  
(ATA-10).

SN 950-035-00000-5  
(Sub. \$82.00 domestic, \$100.  
foreign-Supt. Docs.)

**United States Standard for  
Terminal Instrument Procedures  
(TERPS), 8260.3B (July 1976).**  
(Consolidated reprint includes  
changes 1 thru 14).

Contains criteria which shall be used  
to formulate, review, approve, and  
publish procedures for instrument  
approach and departure of aircraft to  
and from civil and military airports.  
These criteria are for application at  
any location over which an  
appropriate U.S. agency exercises  
jurisdiction. (AVN-210).  
(\$21.00 single copy. Supt. Docs.)  
(Changes sold separately as issued).  
(\$30.00 Supt. Docs.)  
SN 050-007-01006-1

**Chg. 15 (g-10-93)**  
(\$3.75. Supt. Docs.)  
SN 050-007-O 10 15-O.

**Chg. 16 (2-18-94)**  
(\$1.00 Supt. Docs.)  
SN 050-007-O 1043-5.

**Chg. 17 (2/98)**  
(\$14.00 Supt. Docs.)

SN 050-007-O 12 17-9

**Airworthiness Inspector's  
Handbook, 8300.10 (November  
1988). (Consolidated reprint  
includes changes 1 thru 5).**

Contains procedural steps required  
for Federal Aviation Administration  
(FAA) airworthiness inspector's to  
accomplish their job tasks. (AFS-300)  
(\$40.00 single copy. Supt. Docs.)  
(Changes sold separately as issued.)  
SN 050-007-00922-4.

**Chg. 6 (6-24-92)**  
(\$17.00 Supt. Docs.)  
SN 050-007-00955-1.

**Chg. 7 (7-17-92)**  
(\$35.00 Supt. Docs.)  
SN 050-007-00958-5.

**Chg. 8 (7-24-92)**  
(\$18.00 Supt. Docs.)  
SN 050-007-00966-6.

**Chg. 9 (8-13-93)**  
(\$44.00 Supt. Docs.)  
SN 050-007-O 10 11-7.

**Chg. 10 (10/30/95)**  
(\$22.00 Supt. Docs.)  
SN 050-007-01121-1

**Chg. 11 (12/20/96)**  
(\$32.00 Supt. Docs.)  
SN 050-007-01157-1

**Chg. 12 (12/99)**  
(\$26.00 Supt. Docs.)  
SN 050-007-O 1284-5

**Air Transportation Operations  
Inspector's Handbook, 8400.10  
(12-28-94). (Consolidated reprint  
includes changes 1 thru 8).**

Directs the activities of operations  
aviation safety inspectors (ASI's)  
who are responsible for the  
certification, technical administration  
and surveillance of air carriers and  
certifies the air operators who  
conduct their operation in accordance  
with FAR Part 121 and 135. (AFS-  
200)

(\$56.00 single copy. Supt. Docs.)  
(Changes sold separately as issued.)  
SN 050-007-O 1066-4.

**Chg. 9 (11-2-94)**  
(\$24.00 Supt. Docs.)  
SN 050-007-01068-11.

**Chg. 10 (12-20-94)**  
(\$30.00 Supt. Docs.)  
SN 050-007-O 1072-g.

**Chg. 11 (3/13/97)**  
(\$38.00 Supt. Docs.)  
SN 050-007-01173-3

**Chg. 12 (8/26/98)**  
(\$18.00 Supt. Docs.)  
SN 050-007-01220-9

**General Aviation Operations  
Inspector's Handbook, 8700.1  
(October 1988). (Consolidated  
reprint includes changes 1 thru 7).**  
Directs the activities of operations  
aviation safety inspectors (ASI's)  
who are responsible for the  
certification, technical administration  
and surveillance of airmen, air  
operators, and air agencies. (\$61.00  
single copy. Supt. Docs.) (Changes  
sold separately as issued.)  
SN 050-007-00921-6. (AFS-800)

**Chg. 8 (3-1-93)**  
(\$23.00 Supt. Docs.)  
SN 050-007-00977-1.

**Chg. 9 (6-1-93)**  
(\$29.00 Supt. Docs.)  
SN 050-007-00997-6.

**Chg. 10 (2-3-94)**  
(\$53.00 Supt. Docs.)  
SN 050-007-01041-9.

**Chg. 11 (2/9/96)**  
(\$29.00 Supt. Docs.)  
SN 050-007-01133-4

**Chg. 12 (2/9/96)**  
(\$14.00 Supt. Docs.)  
SN 050-007-01134-2

**Chg. 13 (8/30/96)**

6/15/00

(\$15.00 Supt. Docs.)  
SN 050-007-01225-0

**Chg. 14 (2/27/97)**  
(\$40.00 Supt. Docs.)  
SN 050-007-01164-4

**Chg. 15 (7/25/97)**  
(\$5.00 Supt. Docs.)  
SN 050-007-01226-S

**Chg. 16 (10/22/97)**  
(\$16.00 Supt. Docs.)  
SN 050-007-01193-8

**Chg. 17 (12/12/97)**  
(\$11.00 Supt. Docs.)  
SN 050-007-01197-1

**Chg. 18 (3/1/99)**  
(\$17.00 Supt. Docs.)  
SN 050-007-01247-1

**Chg. 19 (2/11/00)**  
(Available on the Internet)

**Chg. 20 (4/26/00)**  
(\$15.00 Supt. Docs.)  
SN 050-007-01289-0

## FLIGHT INFORMATION

### **Aeronautical Information Manual: Official Guide to Basic Flight Information and ATC Procedures (7-20-95).**

Contains fundamentals required to fly in the U.S. National Airspace System. It also contains items of interest to pilots concerning health and medical facts, factors affecting flight safety, a pilot/controller glossary of terms used in the air traffic control system, and information on safety, accident, and hazard reporting. Subscription service consists of basic manual and changes issued every 112 days. (ATP-2 14). (Sub. \$83.00 domestic; \$103.75 foreign-Supt. Docs.)  
SN 950-074-00000-1.

**Notices to Airmen (Class II)**  
Issued every 14 days and contains current Notices to Airmen considered

essential to the safety of flight as well as supplemental data to aeronautical publications. (ATP-2 10)  
(Annual subscription \$208.00 domestic, \$260.00 foreign-Supt. Docs.)  
SN 750-004-00000-8.

### **Airport/Facility Directory**

This is a pilot's manual which contains data on airports, seaplane bases, heliports, NAVAIDs, communications, special notices, and operational procedures. The seven volumes cover the conterminous United States, Puerto Rico, and the Virgin Islands. The Airport/Facility Directory includes data that cannot be readily depicted in graphic form; e.g., airport hours of operation, types of fuel available, runway widths, lighting codes, etc. This Directory also provides a means for pilots to update VFR charts between edition dates; i.e., it is published every 56 days while the Sectional and Terminal Area Charts are generally revised each six months. For prices and ordering information contact: Distribution Branch (N/ACC33) National Ocean Service, NOAA Riverdale, Maryland 20737-1 199  
Phone: 301-436-6990  
Fax: 301-436-6829

### **International Flight Information Manual, Vol. 46 (March 2000)**

This Manual is primarily designed as a preflight and planning guide for use by U.S. nonscheduled operators, business and private aviators contemplating flights outside of the United States. The Manual, which is complemented by the Notices to Airmen publication, contains foreign entry requirements, a directory of aerodromes of entry including operational data, and pertinent regulations, and restrictions. It also contains passport, visa, and health requirements for each country. Published bi-annually with quarterly amendments. (ATP-2 16).

(\$55.00 Supt. Docs.)  
SN 050-007-01245-4

AC 00-2.13

Appendix x4

### **United States Aeronautical Information Publication Fifteenth Edition, (1/99).**

This is a comprehensive aeronautical publication containing regulations and data required for safe aircraft operations in the U.S. National Airspace System (NAS). It is produced in accordance with the recommended standards of the International Civil Aviation Organization (ICAO). (ATA- 10). (Sub. \$83.00 domestic, \$103.75 foreign-Supt. Docs.)  
SN 950-001-00000-3.

## PRODUCTION/DESIGN APPROVALS

### **Summary of Supplemental Type Certificates, August 1995**

Contains all supplemental type certificates issued by FAA regarding design changes in aircraft, engines, or propellers. List includes description of change, the model and type certificate number, the supplemental type certificate number, and the holder of the change. (\$97.00 Supt. Docs.) SN 050-007-01196-2 (AFS-613)

### **Type Certificate Data Sheets and Specifications (AFS-613).**

Type Certificate Data Sheets and Specifications (TC Data Sheets) are compiled by FAA from information supplied by the manufacturer. The TC Data Sheets describe the type design and set forth the limitations prescribed by the applicable Federal Aviation Regulations. They also include any other limitations and information found necessary for type certification of a particular product. Volumes I-VI are also sold through Supt. Docs. on Microfiche (1-year subscription). (Sub. \$96.00 domestic, \$120.00 foreign).

**Vol. I Single Engine Airplanes**  
(Sub. \$293.00 domestic, \$366.25 foreign-Supt. Docs.)  
SN 950-048-00000-0.

**Vol. II Small Multiengine Airplanes**  
(Sub. \$263.00 domestic, \$328.75  
foreign-Supt. Docs.)  
SN 950-049-00000-6.

**Vol. III Large Multiengine Airplanes**  
(Sub. \$285.00 domestic, \$356.25  
foreign-Supt. Docs.)  
SN 950-050-00000-4.

**Vol. IV Rotorcraft, Gliders, and  
Balloons** (Sub. \$266.00 domestic,  
\$332.50 foreign-Supt. Docs.)  
SN 950-05 1 -00000- 1.

**Vol. V Aircraft Engines and  
Propellers**  
(Sub. \$279.00 domestic, \$348.75  
foreign-Supt. Docs.)  
SN 950-052-00000-7.

**Vol. VI Aircraft Listing and Aircraft  
Engine and Propeller Listing**  
(SN 050-007-00893-7) (Single Copy  
\$46.00 domestic, \$57.50 foreign-  
Supt. Docs.).

**Volumes I, II, III, IV, and V** are sold  
on a subscription basis and monthly  
supplementary service is included in  
the sale price. (Microfiche 24x  
edition (1 -year subscription)  
(Vols. I-V \$160.00 domestic, \$200.00  
foreign-Supt. Docs.).

**Volume VI** is sold on a single-sale  
basis and will be issued as a revised  
edition when sufficient changes  
warrant.

## AIRWORTHINESS INFORMATION

### The Summary of Airworthiness Directives—

Containing books 1 & 2, Biweekly  
listing (Supplements to the AD's) and  
the Summary Index are sold and  
distributed for the Superintendent of  
Documents by the Federal Aviation  
Administration from Oklahoma City,  
Oklahoma. Requests for subscriptions

to either of these publications should  
be sent to:

U.S. Department of Transportation,  
Federal Aviation Administration,  
P.O. Box 25461  
Attn: AMZ-330,  
Oklahoma City, Okla. 73 125.  
Phone: 405-954-4 103  
Fax: 405-954-4104

Subscription service consists of the  
summary and automatic biweekly'  
updates to each summary for a 2-year  
period. Make certified checks or  
money orders payable to Federal  
Aviation Administration. ADs are  
also sold on Microfiche. (Sub.  
\$178.00 domestic, \$222.50 foreign).

### Summary of Airworthiness Directives for Small Aircraft, Book 2

Present, in volume form, all the  
Airworthiness Directives for small  
aircraft issued after 1970. ADs for  
engines, propellers, and equipment  
are included in each volume. Each  
volume is arranged alphabetically by  
product manufacturer.  
(\$276.00 domestic, \$345.00 for  
foreign handling. Supt. Docs.)  
SN 850-02-00000-2.

### Summary of Airworthiness Directives for Large Aircraft, Book 2

Presents, in volume form, all the  
Airworthiness Directives for large  
aircraft (over 12,500 pounds  
maximum certificated takeoff weight)  
issued after 1970. ADs for engines,  
propellers, and equipment are  
included in each volume.  
(\$299.00 domestic, \$373.75 for  
foreign handling. Supt. Docs.)  
SN 850-03-00000-9.

## FAA COMPUTERIZED TESTING SUPPLEMENTS

**FAA-CT-8080-1B, Computerized  
Testing Supplement for  
Commercial Pilot (1998).**  
(AFS-630).

Designed by the FAA for use by  
computer testing designees and  
testing centers in administering the  
subject tests.  
(\$9.00 Supt. Docs.)  
SN 050-007-O 1203-9

### → **FAA-CT-8080-2C, Computerized Testing Supplement for Recreational Pilot and Private Pilot (5/18/99) (AFS-630).**

Designed by the FAA for  
computerized testing designees  
(CTDs) in the administration of  
airman knowledge tests in the  
recreational pilot and private pilot  
areas. Applicants shall use FAA-CT-  
8080.2C to answer those computer-  
assisted airman knowledge test  
questions which reference figures.  
(\$6.00 Supt. Docs.)  
SN 050-007-01257-S OK

### **FAA-CT-SOSO-3C, Computerized Testing Supplement for Instrument Rating (1998). (AFS-630).**

Designed by the FAA for use by  
computer testing designees and  
testing centers in administering the  
subject tests.  
(\$2 1 .00 Supt. Docs.)  
SN 050-007-O 1204-7.

### → **FAA-CT-8080-4C, Computerized Testing Supplement for Aviation Mechanic General, Powerplant, and Airframe; and Parachute Rigger (3-17-99) (AFS-630).**

Designed by the FAA for use by  
computer testing designees in the  
administration of airman knowledge  
tests in the aviation mechanic general,  
powerplant, and airframe; and  
parachute rigger knowledge areas.  
(\$7.50 Supt. Docs.)  
SN 050-007-O 1252-7.

### → **FAA-CT-8080-5C, Computerized Testing Supplement for Flight and Ground Instructor (3/1 7/99) (AFS-630)**

Designed by the FAA for use by  
computer testing designees and  
testing centers in administering



knowledge tests in the flight and ground instructor knowledge area.  
(\$14.00 Supt. Docs.)  
SN 050-007-01254-3.

→ **FAA-CT-8080-6A, Computerized Testing Supplement for Flight Engineer (3/16/99) (AFS-630).**

Developed by the FAA for use by computer testing designees in the administration of airman knowledge tests in the flight engineer knowledge areas.

(\$4.25 Supt. Docs.)  
SN 050-007-01253-5.

**FAA-CT-8080-7B, Computerized Testing Supplement for Airline Transport Pilot and Aircraft Dispatcher (8/98) (AFS-630).**

Designed by the FAA for use by computer testing designees and testing centers in administering the subject tests.

(\$30.00 Supt. Docs.)  
SN 050-007-O 1207-1.

## FAA PRACTICAL TEST STANDARDS

**FAA-S-8081-3, Recreational Pilot Practical Test Standards (4-21-89) (AFS-630).**

Contains standards that set forth the practical test requirements for recreational pilot certification in airplane and rotorcraft category aircraft. To be used by FAA inspectors and designated pilot examiners when conducting recreational pilot airmen practical tests.

(\$4.25 Supt. Docs.)  
SN 050-007-00827-9.

**FAA-S-8081-4C Instrument Rating Practical Test Standards, (8-24-98) (AFS-630).**

The standards contained in this practical test book are to be used by FAA inspectors and designated pilot examiners when conducting airman practical tests. Instructors are expected to use this book when

preparing applicants for practical tests.  
(\$4.50 Supt. Docs.)  
SN 050-007-O 12 19-5

**FAA-S-8081-SC, Airline Transport Pilot and Aircraft Type Rating Practical Test Standards for Airplane with Chg 1 (8-1-98). (AFS-630)**

Establishes the standards for Airline Transport Pilot and Aircraft Type Rating practical tests for airplanes. FAA inspectors, designated pilot examiners, and check airmen shall conduct practical tests in compliance with these standards. Flight instructors and applicants should find these standards helpful in practical test preparation.

(\$4.50 Supt. Docs.)  
SN 050-007-O 123 9-O.

**FAA-S-8081-6A, Change 1, Flight Instructor Practical Test Standards for Airplane - Single-Engine and Multiengine**

(7-20-97). (AFS-630).

Developed as a standard to be used by FAA inspectors and designated pilot examiners when conducting flight instructor - airplane (single-engine) and flight instructor - airplane (multiengine) practical tests. Flight instructors are expected to use this book when preparing flight instructor applicants for practical tests.

\$11 .00 Supt. Docs.)  
SN 050-007-O 1192-o.

**FAA-S-8081-7A, Flight Instructor Practical Test Standards for Rotorcraft (1 1-29-95) (AFS-630).**

Developed as a standard to be used by FAA inspectors and designated pilot examiners when conducting flight instructor-rotorcraft (helicopter) and flight instructor-rotorcraft (gyroplane) practical tests. Flight instructors are expected to use this book when preparing flight instructor applicants for practical tests.

(\$6.50 Supt. Docs.)  
SN 050-007-01123-7

**FAA-S-8081-8A, Flight Instructor Practical Test Standards for Glider (April 1999). (AFS-630).**

Contains the standards which establish the practical test requirements for flight instructor certification practical tests for the glider category. It is to be used by FAA inspectors and designated pilot examiners when conducting practical tests in compliance with these standards. Flight instructors and applicants will find these standards helpful in practical test preparation.

(\$4.75 Supt. Docs.)  
SN 050-007-O 1244-6.

**FAA-S-8081-9A, Flight Instructor - Instrument (Airplane and Helicopter) Practical Test Standards (I-22-90). (AFS-630). eff. March 1990.**

Developed as a standard to be used by FAA inspectors and designated pilot examiners when conducting flight instructor-instrument (airplane) and flight instructor -instrument (helicopter) practical tests. Flight instructors are expected to use this book when preparing flight instructor applicants for practical tests).

(\$3.50 Supt. Docs.)  
SN 050-007-00864-3.

**FAA-S-8081-10A, Aircraft Dispatcher Practical Test Standards**

**(2-10-95). (AFS-630).**

Developed as a standard to be used by FAA inspectors and designated examiners when conducting the aircraft dispatcher practical test. Instructors are expected to use this book when preparing applications for the practical test.

(\$2.00 Supt. Docs.)  
SN 050-007-O 1080-O.

**FAA-S-8081-12A, Commercial Pilot Practical Test Standards for Airplane (5-1-97) (AFS-630)**

Developed as a standard to be used by FAA inspectors and designated pilot examiners when conducting commercial pilot certification practical tests for the airplane

category, single engine, land and sea; and multi-engine, land and sea classes. Flight instructors and applicants should find these standards helpful during training and preparing for the practical test. (\$12.00 Supt. Docs.)  
SN 050-007-01162-8.

**FAA-S-8081-14, Private Pilot Practical Test Standards for Airplane with Chg 1(2/7/95) (AFS-630).**  
Developed as a standard to be used by FAA inspectors and designated pilot examiners when conducting airman practical tests. Flight instructors are expected to use this book when preparing applicants for practical tests. This practical test book replaces ONLY THE AIRPLANE PORTION of FAA-S-8081-1 A, Private Pilot Practical Test Standards, dated November 1987.  
(\$10.00 Supt. Docs.)  
SN 050-007-01240-3

**FAA-S-8081-15, Private Pilot Practical Test Standards for Rotorcraft (1 1/29/95) (AFS-630).**  
Developed as a standard to be used by FAA inspectors and designated pilot examiners when conducting private pilot-rotorcraft (helicopter and gyroplane) practical tests. Flight instructors are expected to use this book when preparing private pilot applicants for practical tests. This book replaces ONLY the ROTORCRAFT PORTION of FAA-S-8081-1 A, Private Pilot PTS (Nov. 1987).  
(\$5.00 Supt. Docs.)  
SN 050-007-01124-5.

**FAA-S-8081-16, Commercial Pilot Practical Test Standards for Rotorcraft (1 1/29/95) (AFS-630).**  
Developed as a standard to be used by FAA inspectors and designated pilot examiners when conducting commercial pilot-rotorcraft (helicopter and gyroplane) practical tests. Flight instructors are expected to use this book when preparing

commercial pilot applicants for practical tests. This book replaces ONLY the ROTORCRAFT PORTION of FAA-S-8081-2 (Sept. 1988).  
(\$5.00 Supt. Docs.)  
SN 050-007-01122-9.

**FAA-S-8081-17, Private Pilot Practical Test Standards for Lighter-Than-Air (Balloon/Airship) (3/15/96) (AFS-630).**  
Developed as a standard to be used by FAA inspectors and designated pilot examiners when conducting private pilot lighter-than-air (balloon/airship) practical tests. Flight instructors are expected to use this book when preparing private pilot applicants for practical tests. This book replaced ONLY the LIGHTER-THAN-AIR PORTION of FAA-S-8081-1A (November 1987). (\$4.00 Supt. Docs.)  
SN 050-007-01135-1.

**FAA-S-8081-18, Commercial Pilot Practical Test Standards for Lighter-Than-Air (Balloon/Airship) (1/27/97) (AFS-630)**  
Establishes the standards for commercial pilot certification practical tests for the lighter-than-air category, balloon and airship classes. FAA inspectors and designated pilot examiners shall conduct practical tests in compliance with these standards. This book replaces ONLY the LIGHTER-THAN-AIR BALLOON/AIRSHIP PORTION of FAA-S-8081-2, Commercial Pilot Practical Test Standards, dated September 1988.  
(\$6.00 Supt. Docs.)  
SN 050-007-01158-0

**FAA-S-8081-19, Recreational Pilot Powered Parachute Practical Test Standard (3/12/97) (AFS-630) .**  
Establishes the standard for recreational pilot certification practical tests for the powered parachute category. This standard will become effective when the recommended change to 14 CFR part

61 is approved establishing a recreational pilot certificate for this category.  
(\$3.00 Supt. Docs.)  
SN 050-007-01163-6

→ **FAA-S-8081-20, Airline Transport Pilot and Aircraft Type Rating Practical Test Standards for Helicopter (August 1998) (AFS-630)**  
Establishes the standards for airline transport pilot and aircraft type rating practical tests for helicopters. FAA inspectors, designated pilot examiners, and check airmen shall conduct practical tests in compliance with these standards. Flight instructors and applicants should find these standards helpful in practical test preparation. (\$3.75 Supt. Docs.)  
SN 050-007-01209-8

→ **FAA-S-8081-21, Flight Engineer Practical Test Standards for Reciprocating Engine, Turbopropeller, and Turbojet Powered Aircraft (1/1/99) (AFS-630)**  
FAA inspectors and designated examiners shall conduct practical tests in compliance with this standard. Flight engineers exercising instructor privileges and applicants should find this standard helpful during training and when preparing for practical tests.  
(\$4.00 Supt. Docs.)  
SN 050-007-01241-1)

→ **FAA-S-8081-22, Private Pilot Practical Test Standards for Glider (4/1/99) (AFS-630)**  
The FAA's Flight Standards Service developed this practical test book as a standard to be used by FAA inspectors and designated pilot examiners when conducting airman practical tests. Instructors are expected to use this book when preparing applicants for practical tests.  
(\$3.50 Supt. Docs.)  
SN 050-007-01242-0

→ **FAA-S-8081-23, Commercial Pilot Practical Test Standards for Glider (4/1/99) (AFS-630)**

The FAA's Flight Standards Service developed this practical test book as a standard to be used by FAA inspectors when conducting airman practical tests. Instructors are expected to use this book when preparing applicants for practical tests.

(\$3.25 Supt Docs)  
SN 050-007-01243-S

## FAA KNOWLEDGE TEST GUIDES

→ **FAA-G-8082-1, Airline Transport Pilot, Aircraft Dispatcher, and Flight Navigator Knowledge Test Guide. (6/1/99) (AFS-630)**

Provides information for obtaining authorization to take the airline transport pilot, aircraft dispatcher, and flight navigator knowledge tests.  
(\$3.00 Supt. Docs.)  
SN 050-007-01258-6

→ **FAA-G-8082-3, Aviation Mechanic General, Airframe, and Powerplant Knowledge Test Guide (8/23/99) (AFS-630)**

Provides information for obtaining authorization to take the aviation mechanic general, airframe, and powerplant knowledge tests.  
(\$4.25 Supt. Docs)  
SN 050-007-01273-O

→ **FAA-G-8082-5, Commercial Pilot Knowledge Test Guide (6/1/99) (AFS-630)**

Provides information for obtaining authorization to take the commercial pilot knowledge tests.  
(\$3.00 Supt. Docs)  
SN 050-007-O 1259-4

→ **FAA-G-8082-7, Flight and Ground Instructor Knowledge Test Guide (6/1/99) (AFS-630)**

Provides information for obtaining authorization to take the flight and ground instructor knowledge tests.

(\$3.00 Supt Docs.)  
SN 050-007-O 1260-8

→ **FAA-G-8082-9, Flight Engineer Knowledge Test Guide (6/1/99) (AFS-630)**

Provides information for obtaining authorization to take the flight engineer knowledge tests.  
(\$2.50 Supt Docs.)  
SN 050-007-01261-6

→ **FAA-G-8082-11, Inspection Authorization Knowledge Test Guide (7/13/99) (AFS-630)**

Provides information for obtaining authorization to take the inspection authorization knowledge test.  
(\$4.00 Supt Docs.)  
SN 050-007-01268-3

→ **FAA-G-8082-13, Instrument Rating Knowledge Test Guide. (6/1/99) (AFS-630)**

Provides information for obtaining authorization to take the instrument rating knowledge tests.  
(\$3.00 Supt Docs)  
SN 050-007-O 1262-4

→ **FAA-G-8082-15, Parachute Rigger Knowledge Test Guide (7/28/99) (AFS-630)**

Provides information for obtaining authorization to take the parachute rigger knowledge tests.  
(\$2.25 Supt Docs.)  
SN 050-007-O 1270-5

→ **FAA-G-8082-17, Recreational and Private Pilot Knowledge Test Guide (6/1/99) (AFS-630)**

Provides information for obtaining authorization to take the recreational pilot and private pilot knowledge tests.  
(\$4.00 Supt Docs.)  
SN 050-007-O 1263-2

## FAA AERONAUTICAL HANDBOOKS

→ **FAA-H-8083-1, Aircraft Weight and Balance Handbook (8/23/99) (AFS-630)**

Prepared in recognition of the importance of weight and balance technology in conducting safe and efficient flight.  
(\$12.00 Supt Docs.)  
SN 050-007-O 1272-1

→ **FAA-H-8083-3, Airplane Flying Handbook (8/23/99) (AFS-630)**

Introduces the basic skills that are essential for pilots; also provides information on transitioning to other aircraft and the operation of various aircraft systems.  
(\$22.00 Supt Docs.)  
SN 050-007-O 1274-S

→ **FAA-H-8083-9, Aviation Instructor's Handbook (9/27/99) (AFS-630)**

Designed for ground instructors, flight instructors, and aviation maintenance instructors. Provides a foundation for beginning instructors to understand and apply fundamentals of instructing.  
(\$16.00 Supt Docs)  
SN 050-011-00079-8

→ **FAA-H-8083-19, Plane Sense (8/23/99) (AFS-630)**

Acquaints the owner or prospective owner with some fundamental information on the requirements for owning and operating a private airplane.  
(Available from SVC-12 1.23)

→ **FAA-H-8083-21, Rotorcraft Flying Handbook (2/10/00) (AFS-630)**

A technical manual for applicants who are preparing for their private, commercial, or flight instructor certificate with a helicopter or gyroplane class rating.  
(\$24.00 Supt Docs)

(SN 050-011-00080-1)

→ **FAA-H-8083-27, Student Pilot Guide (6/15/99) (AFS-630)**

A guide for prospective student pilots and those already engaged in flight training. It presents in a "how to go about it" style general procedures for obtaining a Student, Private, and Recreational Certificates. (\$2.00 Supt. Docs.)  
SN 050-007-01265-9

## MISCELLANEOUS CATEGORY

**Access TRAVEL, Airports: A Guide to accessibility of Terminals (1979).**

Available from Supt. Docs.  
SN 050-007-00535-1: Price-\$45.00 package of 100.

**Aeronautical Science Course Study GA-20-1 0, (1969).**

Educational material. (\$3.05 Supt. Docs.) SN 050-007-00060-0 (APO).

**Alcoholism and Drug Abuse Program.**

**Title self explanatory.** (AAM). (\$4.50 Supt. Docs.)  
SN 050-007-00466-4.

**Aviation Weather System Plan (October 1985).**

Describes the present aviation weather system, assesses airspace requirements, defines the requirements for the aviation weather system, and details and development programs to support implementation of a national aviation weather system. State aviation weather activities and weather programs/activities of their Government agencies are also described. (APO-4). (\$18.00 Supt. Docs.)  
SN 050-007-00726-4.

**Bonfires to Beacons: Federal Civil Aviation Policy Under the Air Commerce Act, 1926-1938.**

Examines the background to the passage of the first Federal civil aviation regulatory statute in 1926. (APA-4). (\$18.00 Supt. Docs.)  
SN 050-007-00419-2.

**Caution: It is Illegal and Extremely Dangerous to take on Board an Airplane or Check With Your Luggage Any Hazardous Materials (Sept. 1979).**

Copies available from Supt. Docs.  
SN 050-007-00484-2. Price-\$5.00-Package/ 100.

**The Cutting Air Crash.**

Analyzes the political repercussions that followed the death of Senator Bronson Cutting of New Mexico in an air crash in 1935. . (APA-4). (\$4.00 Supt. Docs.)  
SN 050-007-00677-2

**FAA Air Traffic Activity, FY 94.**

Furnishes terminal and en route air traffic activity information (i.e., operations, flight plans filed) of the National Airspace System . The data is from the FAA-operated Airport Traffic Control Towers, Air Route Traffic Control Centers, Flight Service Stations, and Approach Control Facilities. (APO-1 10). (\$24.00 Supt. Docs.)  
SN 050-007-01145-8.

**FAA Aviation Forecasts-Fiscal Years 1993-2004, FAA-APO-93-1 (2/93).**

Provides forecasts of aviation at Federal Aviation Administration facilities. (APO- 110). (\$15.00 Supt. Docs.)  
SN 050-007-01008-7.

**FAA Aviation News**

Copies available from Supt. Docs. SN 750-002-00000-5. Sub. \$20.00 domestic, \$25.00 foreign. Single copy domestic \$3.50 and \$4.38 single copy foreign. (AFS-805).

→ **FAA Organizational Directory (Current Edition).**

Title self explanatory. Issued bi-annually. (APF-100). (\$26.00 Supt. Docs.)  
SN 050-007-01266-7.

**Fiber Composite Analysis and Design, Volumes I and II, (Current Edition).**

Pertains to the analysis and design problems of fiber composites. (ACT-330). (\$ 16.00 Supt. Docs.)  
SN 050-007-00716-7.

**Final Environmental Impact Statement-Comments and Responses-Metropolitan Washington Airport (1980).**

Copies available from Supt. Docs.  
SN 050-007-00543-1.  
Basic \$17.00, Appendix, SN 050-007-00544-0, \$7.00.

**Flight Check: The Story of Flight Inspection (1993).**

Covers the history of the flight inspection program from its inception to today. (\$16.00 Supt. Docs.)  
SN 050-007-0 1010-9.

**General Aviation Activity and Avionics Survey, CY 94.**

Presents the results of subject survey conducted to obtain information on the activity and avionics of the U.S. registered general aviation aircraft fleet. Reveals estimated flying time of the active general aviation aircraft, and other statistics by manufacturer/model group, aircraft type, state and region of based aircraft, and primary use. Estimates are included on fuel consumption, lifetime airframe hours, avionics, and engine hours. (APO-1 10) (\$20.00 Supt. Docs.)  
SN 050-007-0 1132-6.

**General Aviation Pilot Awareness Training Syllabus Spec. REOT. Abridged.**

Copies available from Supt. Docs.  
SN 050-007-00470-2.  
Price-\$6.00.

**Information Resources****Management Plan (IRMP)  
(December 1989).**

**Vol. I:** Strategic Overview-  
(Not being published this year).

**Vol. II:** Systems Plan FY 89 - FY 93  
(5-year plan)-focuses on a 5-year  
planning horizon and includes  
funding requirements for specific  
projects for each of the 5 years. The  
project summaries and ongoing  
systems fact sheets reflect the status  
of the IRMP planning data base as of  
October 1989. Volume II. (AIT-200)  
(\$20.00 Supt. Docs.)  
SN 050-007-00872-4.

**National Air Traffic Training  
Program, Terminal Refresher, VFR  
Tower, TR-1 through TR-14 (2/91).**  
A fourteen (14) unit self study  
program for recurrent training of  
seldom used and complex routine  
procedures used by Airport Tower  
Controllers. (ATZ-120.6).  
(\$17.00 Supt. Docs.)  
SN 050-007-00931-3

**National Air Traffic Training  
Program, Terminal Instructional  
Program Guide, TP-12-0-1C (2/91).**  
Provides guidance in administering a  
facility training program, outlines  
mandatory training objectives, and  
evaluations for measuring training  
objectives. (ATZ-120.6)  
(\$10.00 Supt. Docs.)  
SN 050-007-00930-5

**National Air Traffic Training  
Program, Terminal Self Study,  
Phase VI, 55026, Flight (2/91).**  
Covers developmental training of the  
duties and responsibilities of a flight  
data position in a modern Airport Air  
Traffic Control Tower. (ATZ-120.6).  
(\$41.00 Supt. Docs.)  
SN 050-007-00932-1

**National Air Traffic Training  
Program, Terminal Self Study,  
Phase VII, 55027, Clearance  
Delivery (2/91).**

Covers developmental training of the  
duties and responsibilities of a  
Clearance Delivery position in a  
modern Airport Air Traffic Control  
Tower. (\$6.00 Supt. Docs.) SN 050-  
007-00933-0 (ATZ-120.6).  
National Air Traffic Training  
Program, Terminal Self Study, Phase  
VIII, 55028, Ground Control (2/91).  
Covers developmental training of the  
duties, responsibilities and separation  
utilized by a Local Ground Control  
position in an Airport Air Traffic  
Control Tower. (ATZ-120.6).  
(\$24.00 Supt. Docs.)  
SN 050-007-00934-8

**National Air Traffic Training  
Program, Terminal Self Study,  
Phase IX, 55029, Local Control  
(2/91).**

Covers developmental training of the  
duties, responsibilities and separation  
utilized by a Local Control position in  
an Airport Air Traffic Control Tower.  
(ATZ-120.6).  
(\$41.00 Supt. Docs.)  
SN 050-007-00935-6

**National Plan for Integrated  
Airport Systems (NPIAS) 199%**  
2002.

The plan identifies 3,344 existing  
airports that are significant to national  
air transportation. It also contains  
estimates that \$35.1 billion in  
infrastructure development that is  
eligible for Federal aid will be needed  
over the next 5 years to meet the  
needs of all segments of civil  
aviation. The NPIAS is composed of  
all commercial service airports, all  
reliever airports, and selected general  
aviation airports.  
(\$24.00 Supt. Docs.)  
SN 050-007-01290-0.

**North Atlantic International  
General Aviation Operations  
Manual  
(October 1990)**

Provides International General  
Aviation (IGA) pilots information  
necessary in flight planning and  
operation in the North Atlantic  
Oceanic region. (ATP-140).

(\$2.25 Supt. Docs.)  
SN 050-007-00886-4).

**Pilots and Aviation Maintenance  
Technicians for the Twenty-First  
Century-An Assessment of  
Availability and Quality  
(August 1993).**

Contains several recommendations  
for alleviating potential shortages of  
subject. (AVR-2/AFS-33).  
(\$9.00 Supt. Docs.)  
SN 050-007-0 1005-2

**Safe, Separated and Soaring: A  
History of Federal Civil Aviation  
Policy, 1961-1972 (1980).**

Provides a narrative history of the  
evolution of Federal civil aviation  
policy during the Kennedy and  
Johnson Administrations and the first  
Nixon Administration. Fourth and  
concluding volume of a history of  
FAA and its predecessor agencies.  
(Bonfires to Beacons,' 'Take-off at  
Mid-Century' and 'Turbulence Aloft'  
were preceding books. (APA-4).  
(paperback, \$15.00 Supt. Docs.)  
SN 050-007-00566-1.

**Take-off At Mid-Century: Federal  
Aviation Policy in the Eisenhower  
Years, 1953-1961.**

Provides a history of the Civil  
Aeronautics Administration during  
the Eisenhower years. It also  
examines the events that led to the  
CAA's demise, and the creation of  
the Federal Aviation Agency. (APA-  
4).  
(\$14.00 Supt. Docs.)  
SN 050-007-00355-2.

**The Third Man: A History of the  
Airline Crew Complement  
Controversy 1941-1981.**

Gives an analysis of how many pilots  
and crewmembers it takes to fly an  
aircraft. (APA-110)  
(\$8.00 Supt. Docs.)  
SN 050-007-00761-2).

**Terminal Area Forecasts, FY 1993 -  
2005, FAA-APO-93-9 (July 1993).**  
Contains forecasts of aviation activity  
for 866 airports in the United States

for FY 1993 - 2005. These include 399 airports with FAA air traffic control towers and radar approach control service and 25 FAA contract towers. (APO- 110). (\$34.00 Supt. Docs.) SN 050-007-O 1004-4.

**Troubled Passage: The Federal Aviation Administration During the Nixon-Ford Term, 1973-1977.**

Tells the story of the agency during the years 1973-77, including major issues of safety, security, and the development of the civil aviation industry. (APA-110). (\$14.00 Supt. Docs.) SN 050-007-00774-4.

**Turbulence Aloft: The Civil Aeronautics Administration Amid Wars and Rumors of Wars, 1938-1953.**

Provides information pertaining to the Civil Aeronautics Administration amid World War II, the Cold War, and Korea. (APA-4). (paperback \$8.50 Supt. Docs.) SN 050-007-00486-9.

**Women In Non-Traditional Aviation and Space Careers: An OVERVIEW (1979).** (APO).

Copies available from Supt. Docs. Price-\$1.75. SN 050-007-00473-7.

## FAA FORMS

**FAA-Form 7230-4, Daily Record of Facility Operation/Personnel Log.**

Used to record pertinent information reflecting daily operation of the facility, equipment malfunctions, position responsibility. (\$14.00.Supt. Docs.) SN 050-007-00 1025-7.

**FAA-Form 7230-7, Flight Progress Strip Without Center Perforation.**

For use on flight data entry and printout (FDEP) devices to post current data on air traffic and clearances required for control and other air traffic control services. (\$57.00.Supt. Docs.) SN 050-007-001028-1.

**FAA-Form 7230-8, Flight Progress Strip (Single Cut).**

Used to post current data on air traffic and clearances required for control and other air traffic control services. (\$14.00.Supt. Docs.) SN 050-007-001027-3.

**FAA-Form 7230-10, Position Log.**

Used for time signed on/off operating position to indicate responsibility for operating position. (\$2.75.Supt. Docs.) SN 050-007-00 1026-5.

**U.S. GOVERNMENT BOOKSTORES LOCATIONS****Atlanta**

First Union Plaza  
999 Peachtree Street, Suite 120  
Atlanta, GA 30309-3964  
(404) 347-1900  
Fax (404) 347-1897

**Birmingham**

O'Neill Building  
202 1 Third Avenue, North  
Birmingham, AL 35203  
(205) 731-1056  
Fax (205) 731-3444

**Boston**

Thomas P. O'Neill Federal Building  
10 Causeway Street, Room 169  
Boston, MA 02222  
(617)-720-4180  
Fax (617)-720-5753

**Chicago**

One Congress Center  
401 South State Street, Suite 124  
Chicago, IL 60605  
(312) 353-5133  
Fax (312) 353-1590

**Cleveland**

Room 1653, Federal Building  
1240 East 9th Street  
Cleveland, OH 44199  
(216)-522-4922  
Fax (216)-522-4714

**Columbus**

Room 207, Federal Building  
200 North High Street  
Columbus, OH 43215  
(614) 469-6956  
Fax (614) 469-5374

**Dallas**

Room 1 C50, Federal Building  
1100 Commerce Street  
Dallas, TX 75242  
(214) 767-0076  
Fax (214) 767-3239

**Denver**

Room 117, Federal Building  
1961 Stout Street  
Denver, CO 80294  
(303) 844-3964  
Fax (303) 844-4000

**Detroit**

Suite 160, Federal Building  
477 Michigan Avenue  
Detroit, MI 48226  
(313) 226-7816  
Fax (313) 226-4698

**Houston**

Texas Crude Building  
801 Travis Street  
Houston, TX 77017  
(713) 228-1187  
Fax (713) 228-1186

**Jacksonville**

100 West Bay Street  
Suite 100  
Jacksonville, FL 32202  
(904) 353-0472  
Fax (904) 353-1280

**Kansas City**

120 Bannister Mall  
5600 East Bannister Road  
Kansas City, MO 64137  
(816) 765-2256  
Fax (816) 767-8233

**Laurel**

U.S. Government Printing Office  
(GPO)  
Warehouse Sales Outlet  
8660 Cherry Lane  
Laurel, MD 20707  
(301) 953-7974  
(301) 792-0262  
Fax (301) 498-9109

**Los Angeles**

Arco Plaza, Level 'C'  
505 South Flower Street  
Los Angeles, CA 90071  
(213) 239-9844  
Fax (213) 239-9848

**Milwaukee**

Reuss Federal Plaza # 150  
310 W. Wisconsin Avenue  
Milwaukee, WI 53203  
(414) 297-1304  
Fax (414) 297-1300

**New York**

Room 110, Federal Building  
26 Federal Plaza  
New York, NY 10278  
(212) 264-3825  
Fax (212) 264-9318

**Philadelphia**

Robert Morris Building  
100 North 71st Street  
Philadelphia, PA 19103  
(215) 636-1900  
Fax (215) 636-1903

**Pittsburgh**

Room 118, Federal Building  
1000 Liberty Avenue  
Pittsburgh, PA 15222  
(412) 395-5995  
Fax (412) 395-4547

**Portland**

1305 SW First Avenue  
Portland, OR 97201  
(503) 221-6217  
Fax (503) 225-0563

**Pueblo**

Norwest Banks Building  
201 West 8th Street  
Pueblo, CO 81003  
(719) 544-3142  
Fax (719) 544-6719

**San Francisco**

Room 141 -S, Marathon Plaza  
303 2nd Street  
San Francisco, CA 94107  
(415) 512-2770  
Fax (415) 512-2776

**Seattle**

Room 194, Federal Building  
915 Second Avenue  
Seattle, WA 98 174  
(206) 553-4270  
Fax (206) 553-6717

**Washington, DC**

U.S. Government Printing Office  
(GPO)  
710 North Capitol St., NW  
Washington, DC 2040 1  
(202) 512-0132  
Fax (202) 512-1355

**McPherson Square**

1510 "H" Street, NW  
Washington, DC 20005  
(202) 653-5075  
Fax (202) 376-5055

**GPO International Distributors**

**CANADA Bookstore (1)**

61 Sparks Street  
Ottawa, Ontario  
Tel: (613) 238-8985

**CANADA Bookstore (1)**

2 11 Rue Yonge  
Toronto, Ontario  
Tel: (613) 238-8985

**CANADA--Mail Orders**

Renouf Publishing Co. Ltd.  
1294 Algoma Road  
Ottawa, Ontario K1B 3W8  
Tel: (613) 741-4333  
Fax: (613) 741-5439  
Tlx: 053-4783

**CHINA Bookstore**

China National  
Publications Import and Export Co.  
P.O. Box 88  
Beijing  
Tel: 4474 13/44073 11444024  
Telx: 223 13 CPC CN  
Cable: PUBLIMEX BEIJING

**ITALY Bookstore (1)**

via della Aatri, 48/C  
40 125 Bologna  
Tel: (05.1) 236.100

**ITALY Bookstore (2)**

via Pascoli, 56  
20133 Milano  
Tel: (02) 23.64.306

**ITALY Bookstore (3)**

Piazzetta NILO, 20  
80134 Napoli  
Tel: (OS 1) 206.489

**ITALY Bookstore (4)**

via GD Cassini, 75/B  
10 129 Torino  
Tel: (0 11) 503.202

**ITALY Bookstore (5)**

via Daurant, 15  
34 143 Trieste  
Tel: (040) 30.12.57

**ITALY--Mail Orders**

Deffusione Edizioni Anglo-  
Americane  
Central Office/Mail Orders:  
via Lima, 28 - 00198 Roma  
Tel: 855 1441  
Fax: (06) 8543228  
Tlx: 622492 DEALIB I

**SAUDI ARABIA**

A 1 -Khazindar Co. Ltd.  
PO Box 157  
Jeddah 21411  
Tel: 6827736  
Tel: 600871 KE SJ  
FAX: 682505 I

**UNITED KINGDOM Bookstore**

Books Express  
PO Box 10  
Saffron Walden  
Esses CBI 1 4EW  
Tel: (1799) 513726  
Fax: (1799) 513248

**ALL OTHER COUNTRIES**

Feffer & Simons  
A Baker & Taylor Company  
11 114 Avenue of the Americas  
New York, NY 10036-7794  
Tel: 212-819-7474  
Tlx: 760-7824 BTBKS-UC  
760-7825 BTBKS-UC  
Fax: 212-819-7481  
Cable: FASBAT NEW YORK



## **APPENDIX 5**

### **Unfilled Requests Problems/Sample Forms**



## What to Do--

If you have not received free Advisory Circulars ordered from the Department of Transportation (DOT) after your **SECOND WRITTEN REQUEST**, please mail the two order forms which state why the request(s) was not filled to the Consumer Hotline at the address below. Each unfilled request form must have the DOT stamp (see sample below) along with a daytime telephone number (including area code), address, and list of Advisory Circular numbers.

Advisory Circulars are also available through the Internet. See last page of this appendix for Internet access information.

**DEAR REQUESTER:** We appreciate your interest in Federal Aviation Administration (FAA) publications. However, we are unable to forward all the items you requested at this time. On your request we have written a number which tells the status (as listed below) of items not included in this mailing.

1-Out of stock (reorder in 90 days)  
2-Being revised  
3-Cancelled, no replacement  
4-Cancelled by \_\_\_\_\_ (enclosed)  
5-Other \_\_\_\_\_

Federal Aviation Administration  
Consumer Hotline, AOA-20  
800 Independence Avenue, SW  
Washington, D.C. 20591

1-800-322-7873



CUT ALONG THIS LINE. COMPLETE ORDER AND MAIL TO SVC-121.23 LANDOVER, MD 20785

ORDER BLANK [Free Publications]

DATE \_ / \_ / \_

*For Faster Service Use A Self-Addressed Mailing Label When  
Not Using This Blank. Please Print Or Type All Information.*

Mail To: U.S. Department of Transportation  
Subsequent Distribution Office, SVC-121.23  
Ardmore East Business Center  
33410 75th Ave  
Landover, MD 20785

Help Line: 301-322-4961

FAX REQUEST TO 301-386-5394 DOT Warehouse

NUMBER	TITLE	QUANTITY

SVC-121.23

Request Filled By: \_\_\_\_\_ Date \_ / \_ / \_

1. Out of Stock [reorder in      days]\* \*      3. Cancelled, no replacement
2. Being revised      4. Cancelled by \_\_\_\_\_ [enclosed]
5. Other: \_\_\_\_\_

~~~~~

**\* \* IF YOU DO NOT RECEIVE DESIRED PUBLICATION(S) AFTER YOUR SECOND REQUEST PLEASE CALL FAA'S TOLL-FREE CONSUMER HOTLINE: 1-800 FAA-SURE.**

~~~~~

TO COMPLETE ORDER:      Enter Name and Address.      DO NOT DETACH.

NAME \_\_\_\_\_

STREET ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_



**Order Processing Code:**

**Charge your order.  
It's easy!**



To fax your orders (202) 512-2250  
To phone your orders (202) 512-1 800

Please type or print (Form is aligned for typewriter use.)

[illegible]

## Subscriptions

Qty.	List ID	Title	Price Each	Total Price

**NOTE:** Price includes regular shipping and handling and is subject to change. International customers please add 25%.

**Total cost of order**

---

**Purchase order number (optional)**

---

**Purchase order number (optional)**

**Mail To: Superintendent of Documents**

P.O. Box 371954, Pittsburgh, PA 15250-7954

[illegible]

\_\_\_\_ (expiration date)

***Thank you for  
your order!***

Authorizing signature





6/15/00

REQUEST FOR MAILING LIST ACTION (Advisory Circulars)

Number Subject Copies

00 GENERAL

1 Definitions and Abbreviations

1 PROCEDURAL RULES-

1.1 General Rule-Making Procedures

1.3 Investigation and Enforcement Procedures

20 AIRCRAFT

2.1 Certification Procedures for Products and Parts

1.3 Investigation and Enforcement Procedures--

2.3 Airworthiness Standards: Normal, Utility, and Acrobatic

Category Airplanes

2.5 Airworthiness Standards: Transport Category

Airplanes

2.7 Airworthiness Standards: Normal Category Rotorcraft

2.9 Airworthiness Standards: Transport Category Rotorcraft

3.1 Airworthiness Standards: Manned Free Balloons-

3.3 Airworthiness Standards: Aircraft Engines

3.4 Fuel Venting and Exhaust Emission Requirements

for Turbine Engine Powered Airplanes

3.5 Airworthiness Standards: Propellers

3.6 Noise Standards: Aircraft Type and Airworthiness

Certification

3.9 Airworthiness Directives

4.3 Maintenance, Preventive Maintenance,

Rebuilding and Alteration

4.5 Identification and Registration Marking

4.7 Aircraft Registration

4.9 Recording of Aircraft Titles and Security Documents

60 AIRMEN

6.1 Certification: Pilots and Flight Instructors

6.3 Certification: Flight Crewmembers Other Than Pilots

6.5 Certification: Airmen Other Than Flight Crewmembers

6.7 Medical Standards and Certification

70 AIRSPACE

7.1 Designation of Federal Airways, Area Low Routes, Controlled

Airspace, and Reporting Points

7.3 Special Use Airspace

7.5 Establishment of Jet Routes and Area High Routes

7.7 Objects Affecting Navigable Airspace-

90 AIR TRAFFIC AND GENERAL OPERATING RULES-

9.1 General Operating and Flight Rules

9.3 Special Air Traffic Rules and Airport Traffic Patterns

9.5 IFR Altitudes

9.7 Standard Instrument Approach Procedures

9.9 Security Control of Air Traffic

10.1 Moored Balloons, Kites, Unmanned Rockets

and Unmanned Free Balloons

10.3 Ultralight Vehicles

10.5 Parachute Jumping-

10.7 Airport Security

10.8 Airplane Operators Security

10.9 Indirect Air Carrier Security

120 AIR CARRIERS, AIR TRAVEL CLUBS, AND

OPERATORS FOR COMPENSATION OR

HIRE CERTIFICATION AND OPERATIONS

DATE: / /

( ) ADD MY NAME TO THE LIST.

( ) ADD MY NAME FOR AC CHECKLIST.

( ) REMOVE MY NAME FROM LISTS CHECKED ABOVE

( ) CHANGE OF ADDRESS AS INDICATED BELOW:

CUSTOMERS NAME AND ADDRESS (attach label from back cover. If available)

ZIP

Number Subject Copies

1.2.1 Certification and Operations: Domestic Flag, and Supplemental

Air Carriers and Commercial Operators of Large Aircraft

1.2.5 Certification and Operations: Airplanes Having

a Seating Capacity of 20 or More Passengers or a

Maximum Payload Capacity of 6,000 Pounds or More-

1.2.7 Certification and Operations of Scheduled Air

Carriers with Helicopters

1.2.9 Operations of Foreign Air Carriers

1.3.3 Rotorcraft External-Load Operations

1.3.5 Air Taxi Operators and Commercial Operators

1.3.7 Agricultural Aircraft Operations

1.3.9 Certification and Operations: Land Airports Serving CAB-

Certificated Air Carriers

140 SCHOOLS AND OTHER CERTIFICATED AGENCIES

14.1 Pilot Schools-

14.3 Ground Instructors

14.5 Repair Stations

14.7 Aviation Maintenance Technician Schools

150 AIRPORT NOISE COMPATIBILITY PLANNING

15.1 Federal Aid to Airports-

15.2 Airport Aid Program

15.5 Release of Airport Property from Surplus Property

Disposal Restrictions

15.6 State Block Grant Pilot Program

15.7 Notice of Construction, Alteration, Activation, and

Deactivation of Airports-

15.8 Passenger Facilities Charges

15.9 National Capital Airports

15.9.1 Washington National Airport

15.9.20 Dulles International Airport

16.1 Notice and Approval of Airport Noise and Access

Restrictions

16.9 Expenditures of Federal Funds for Nonmilitary Airports or

Air Navigational Facilities Thereon

170 NAVIGATIONAL FACILITIES

17.0 Establishment and Discontinuance Criteria for Airport

Traffic Control Tower Facilities

17.1 Non-Federal Navigation Facilities

180 ADMINISTRATIVE REGULATIONS

18.3 Representatives of the Administrator

18.5 Testimony by Employees and Production of Records

In Legal Proceedings

18.7 Fees

18.9 Use of Federal Aviation Administration Communication System

210 FLIGHT INFORMATION

21.1 Aeronautical Charts and Flight Information Publications

413 APPLICATIONS

440 FINANCIAL RESPONSIBILITY FOR LICENSED LAUNCH

ACTIVITIES

NOTE: Advisory Circulars numbered 150/5000-150/5049 will be considered  
in Airports/General category and will be distributed to subscribers of each of the  
five listings below:

150/5000/150-5099 Airport Planning/Environment

150/5100/150-5199 Airport Grants/Assistance

150/5200/150-5299 Airport Safety/Certification/Operations

150/5300/150-5399 Airport Design/Construction/Maintenance

150/5340/150-5354 Airport Visual/Navigation Equipment

MAIL TO:

DOT, SVC-121.21

DISTRIBUTION REQUIREMENTS SECTION

WASHINGTON, DC 20590



**INTERNET ACCESS INFORMATION**

**FAA Web Server Access Information**

The Federal Aviation Administration's main server is available at <http://faa.gov>. It hosts information from various FAA organizations. The advisory circular checklist is available at:

**[http://www.faa.gov/aba/html\\_policies/ac00\\_2.html](http://www.faa.gov/aba/html_policies/ac00_2.html)**

**Equipment Requirements:**

Computer running TCP/IP

HTTP Browser (Netscape, Mosaic, and others)

---

---



10

11

12

U.S. Department  
of Transportation

30 J Independence Ave., S.W.  
Washington, D.C. 20591

FORWARDING AND ADDRESS  
CORRECTION REQUESTED

Official Business  
Penalty for Private Use \$303